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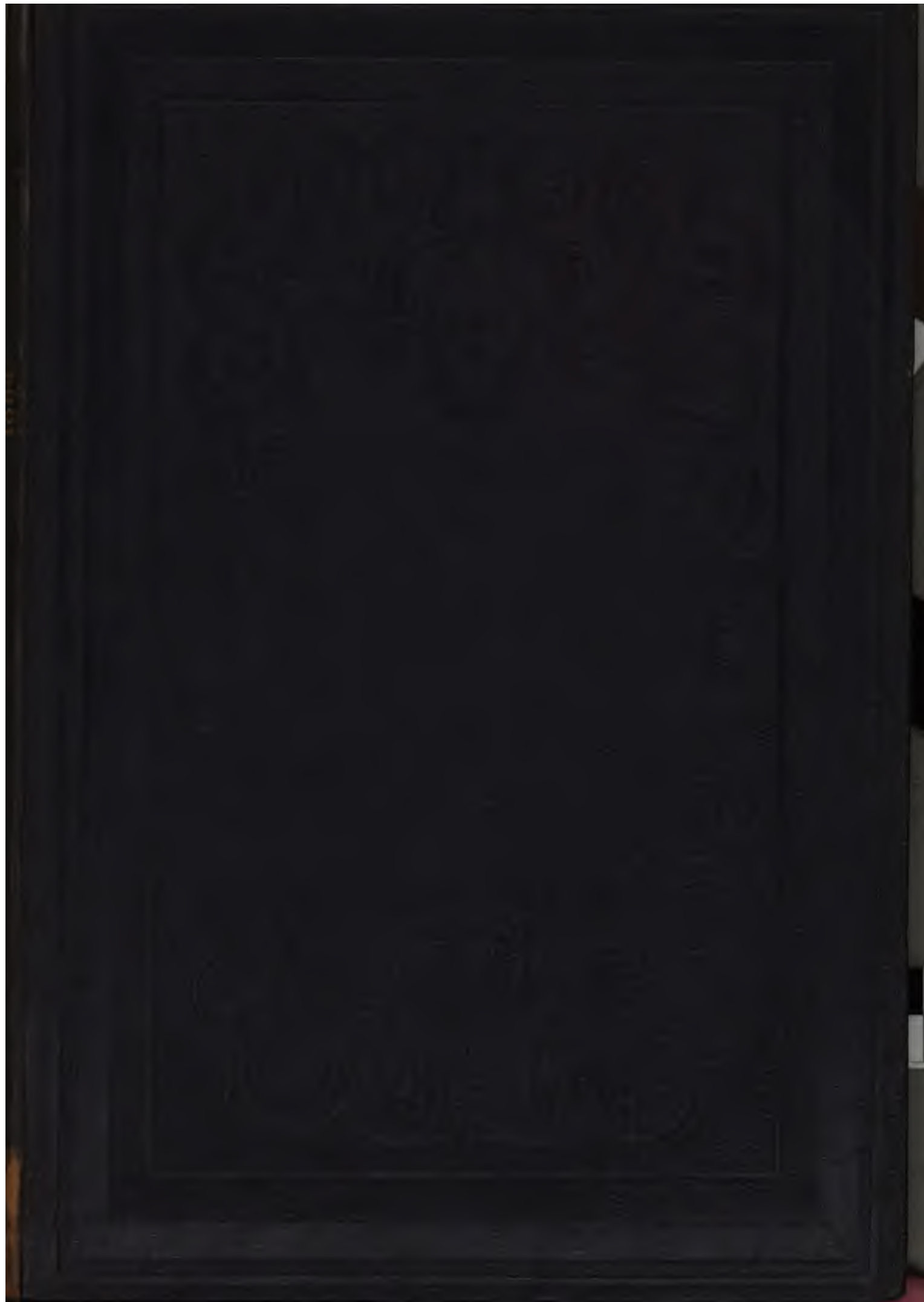
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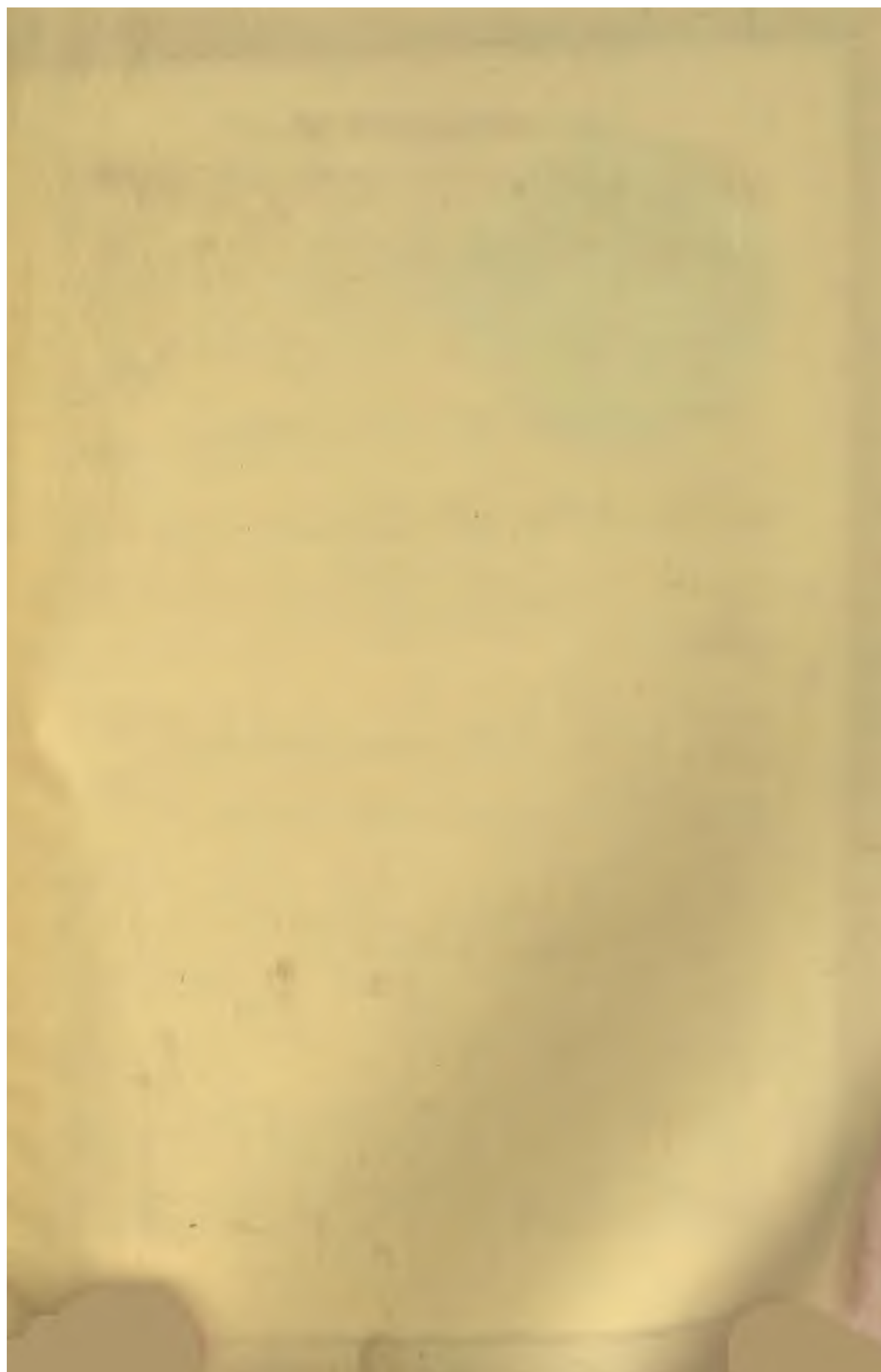


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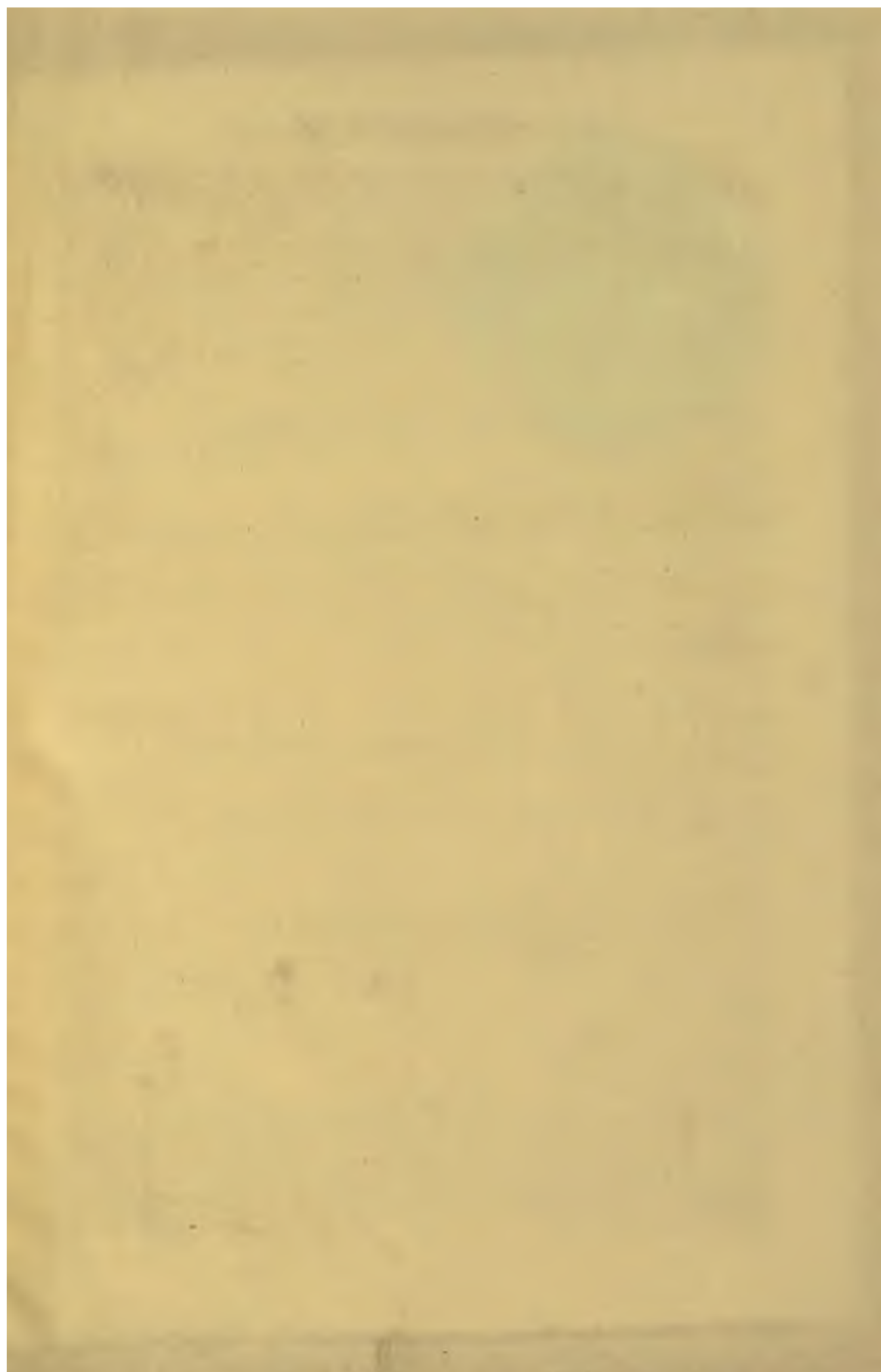


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15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.



CHRONOLOGICAL INDEX
OF
PATENTS APPLIED FOR AND PATENTS
GRANTED,
For the Year 1864.

Printed and Published by Order of the Commissioners of Patents,

UNDER THE

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SUPERINTENDENT OF SPECIFICATIONS, INDEXES, &c.

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CHRONOLOGICAL INDEX

OF

PATENTS APPLIED FOR AND PATENTS GRANTED.

HOLDEN. 1st January 1864.	1. JOHN HOLDEN, of the City of Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in looms for weaving and in apparatus connected therewith." <i>Letters Patent sealed.</i>
GEE. 1st January 1864.	2. JAMES GEE, of Salford, in the County of Lancaster, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of fluted rollers for preparing and spinning cotton and other fibrous substances." <i>Provisional protection only.</i>
NOTTINGHAM. GORE. DURANT. 1st January 1864.	3. JOHN WILLIAM NOTTINGHAM, of Clayton Place, Kennington Road, in the County of Surrey, Artist, WILLIAM HENRY POSTLETHWAITE GORE, of Palace Gardens Terrace, Kensington, Esquire, and ANGUISH HONOUR AUGUSTUS DURANT, of the Conservative Club, St. James's, Captain, both in the County of Middlesex, for an invention for—"Improvements in wheeled carriages." <i>Letters Patent sealed.</i>
WILSON. 1st January 1864.	4. EDWARD BROWN WILSON, of 10, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in furnaces." <i>Provisional protection only.</i>
CLARK. 1st January 1864.	5. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of chlorine."— <i>A communication to him from abroad by Francois Marie Aubert de Tregomain, Gentleman, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MUIR. 2nd January 1864.	6. WILLIAM MUIR, of Victoria Street, in the City of Westminster, and of the Britannia Works, in the City of Manchester, Machinist, for an invention for—"Improvements in letter copying presses and in the machinery employed in manufacturing the same." <i>Letters Patent sealed.</i>
MARTIN. 2nd January 1864.	7. CHARLES MARTIN, of Brentford, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the treatment and preparation of the materials for the manufacture of paper and in the construction of apparatus employed therein." <i>Complete specification ; Letters Patent sealed.</i>
ALLEN. JOHNSON. 2nd January 1864.	8. WILLIAM ALLEN, of Cheadle, in the County of Chester, Cotton Spinner, and WILLIAM JOHNSON, of Newton Moor, in the same County, Manager, for an invention for—"Certain improvements in apparatus or mechanism to be employed in grinding 'cards' for carding-engines." <i>Letters Patent sealed.</i>
BLAKEY. BLAKEY. 2nd January 1864.	9. JOHN BLAKEY, of Burnley, and ROBERT BLAKEY, of Marsden, both in the County of Lancaster, Overlookers, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection only.</i>
DUROY. 2nd January 1864.	10. JEAN LOUIS PROSPER DUROY, of No. 10, Faubourg Montmartre, in Paris, France, Chemist, for an invention for—"An improved method of manufacturing soap with a vegetable basis." <i>Letters Patent sealed.</i>
BONNEVILLE. 2nd January 1864.	11. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in bobbins of shuttles of sewing machines."— <i>A communication from Alfred Neymark, a person residing at Rue de Valois, Paris, aforesaid.</i> <i>Letters Patent sealed.</i>

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| <p>BONNEVILLE.
2nd January 1864.</p> <p>AMBLER.
2nd January 1864.</p> <p>CLARK.
2nd January 1864.</p> <p>ANDOE.
2nd January 1864.</p> <p>BALK.
2nd January 1864.</p> <p>EVANS.
4th January 1864.</p> <p>HALL.
4th January 1864.</p> <p>BULLOUGH.
4th January 1864.</p> <p>ASKEW.
4th January 1864.</p> <p>BAYLISS.
4th January 1864.</p> <p>DEFRIES.
4th January 1864.</p> <p>LE HARIVEL.
4th January 1864.</p> <p>SPEIGHT.
4th January 1864.</p> <p>JOHNSON.
4th January 1864.</p> <p>TOMLINSON.
5th January 1864.</p> | <p>12. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in sewing machines."—<i>A communication from Alfred Neymark, a person residing at Rue de Valois, Paris, aforesaid.</i> <i>Letters Patent sealed.</i></p> <p>13. WILLIAM AMBLER, of Keighley, in the County of York, Paper Merchant, for an invention for—"Improvements in paper cop tubes." <i>Provisional protection only.</i></p> <p>14. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"A new and improved machine for cutting fodder."—<i>A communication to him from abroad by Franklin Benjamin Hunt, of Richmond, Wayne County, State of Indiana, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>15. FRANCIS ANDOE, of Cardiff, in the County of Glamorgan, for an invention for—"Improved apparatus for securing watches and such like articles from being stolen from the person." <i>Provisional protection only.</i></p> <p>16. WILLIAM BALK, of Woodbridge Road, Ipswich, in the County of Suffolk, for an invention for—"Improvements in furnaces applicable in the smelting of ores and in the melting of metals." <i>Letters Patent sealed.</i></p> <p>17. JOHN CAMPBELL EVANS, of The Morden Iron Works, East Greenwich, in the County of Kent, Engineer, for an invention for—"Improvements in the manufacture of coverings for the head." <i>Provisional protection NOT granted.</i></p> <p>18. WILLIAM HALL, of Wilford Street, in the Town and County of the Town of Nottingham, for an invention for—"Improvements in high and low pressure condensing rotary steam-engines." <i>Letters Patent sealed.</i></p> <p>19. JAMES BULLOUGH, of Baxenden, in the Township of New Accrington, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for sizing yarns, beams or warps to be woven, and also for improvements consisting in novel arrangements and machinery for the better preparing of these yarns, beams or warps for the operation of sizing." <i>Letters Patent sealed.</i></p> <p>20. JOHN ASKEW, of No. 27, Charles Street, Hampstead Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of window-sashes." <i>Letters Patent sealed.</i></p> <p>21. MOSES BAYLISS, of the Firm of Bayliss, Jones and Bayliss, Bolt and Nut Manufacturers, of Monmore Green, Wolverhampton, in the County of Stafford, and 53, Gracechurch Street, City, London, in the County of Middlesex, for an invention for—"A new or improved machine for the cutting of screws and for tapping nuts for screws." <i>Letters Patent sealed.</i></p> <p>22. COLEMAN DEFRIES, of the firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Gas Engineer, for an invention for—"Improvements in the arrangement of the footlights or float of theatres, concert rooms and other similar places, and in the appurtenances thereof." <i>Provisional protection only.</i></p> <p>23. AUGUSTE LUCIEN LE HARIVEL, Paper Pulp Manufacturer, Steam Mill, Tweedmouth, Northumberlandshire, for an invention for—"Improvements in the manufacture of paper, papier-mâché, cardboard and other similar articles." <i>Letters Patent sealed.</i></p> <p>24. GEORGE SPEIGHT, of 5, Saint John Street Road, Clerkenwell, in the County of Middlesex, Manufacturer, for an invention for—"An improved collar for the neck." <i>Letters Patent sealed.</i></p> <p>25. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines."—<i>A communication to him from abroad by Doctor Isidore Sollier and Baron Gerard Dedel, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i></p> <p>26. RICHARD TOMLINSON, of the City of Manchester, in the County of Lancaster, Commercial Traveller, for an invention for—"Improvements in the manufacture of show-cases." <i>Provisional protection only.</i></p> |
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BARNARD. 5th January 1864.	27. WILLIAM BRAINARD BARNARD, of Waterbury, State of Connecticut, United States of America, now of No. 12, Southampton Buildings, Chancery Lane, County of Middlesex, for an invention for—"Improvements in the mode of uniting metallic surfaces applicable to sheathing or lining vessels and to other purposes." <i>Provisional protection only.</i>
FENBY. 5th January 1864.	28. JOSEPH BEVERLEY FENBY, of the City of Worcester, Mechanical Engineer, for an invention for—"Improvements in locks and latches." <i>Letters Patent sealed.</i>
WHITEHEAD. 5th January 1864.	29. JAMES HEYWOOD WHITEHEAD, of the Royal George Mills, in the Parish of Saddleworth, in the West Riding of the County of York, Woollen Manufacturer, for an invention for—"Improvements in the manufacture of felted fabrics." <i>Letters Patent sealed.</i>
HAYS. 5th January 1864.	30. JOSEPH JUDGE HAYS, of Hitchin, in the County of Hertford, for an invention for—"Improvements in the manufacture of peat charcoal and in the apparatus employed therein." <i>Letters Patent sealed.</i>
WILLIAMS. BEDSON. 5th January 1864.	31. JOHN WILLIAMS, of Ketley, in the County of Salop, Iron Master, and GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager of Iron Works, for an invention for—"Improvements in puddling furnaces." <i>Letters Patent sealed.</i>
HARRISON. 5th January 1864.	32. CHARLES WEIGHTMAN HARRISON, of Brunswick Street, Ardwick, Manchester, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in railway signals." <i>Provisional protection only.</i>
KIDD. 5th January 1864.	33. JOSHUA KIDD, of Cannon Row, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in supplying and regulating any required liquid used in the process of generating gas or steam, or for the carburetting of gas, for supplying and regulating the water to gas meters, and oil for lubrication, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
BOUSFIELD. 6th January 1864.	34. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in knitting-machinery."— <i>A communication to him from abroad by Edward Elisha Kilbourn, a person resident at New York, in the United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
MALINS. 6th January 1864.	35. WILLIAM MALINS, of Great George Street, Westminster, Civil Engineer, for an invention for—"An improved system of working atmospheric railways." <i>Provisional protection only.</i>
BLAKEY. ALDERSON. 6th January 1864.	36. HENRY BLAKEY, of Luddenden, in the County of York, Overlooker, and JOHN ALDERSON, of Ovenden, in the same County, Machine Maker, for an invention for—"Improvements in machinery or apparatus for spinning and doubling or twisting wool, mohair, cotton, silk or other fibrous substances." <i>Provisional protection only.</i>
FAIRBURN. 6th January 1864.	37. EDWARD FAIRBURN, of Kirklees Mills, Mirfield, in the County of York, Card Manufacturer, for an invention for—"Improvements in machinery for carding wool and other fibrous substances." <i>Letters Patent sealed.</i>
NELSON. HEAP. 6th January 1864.	38. HENRY NELSON, of the City of Manchester, in the County of Lancaster, Machine Maker, and JAMES HEAP, of the same place, Overlooker, for an invention for—"Improvements in self-acting mules." <i>Provisional protection only.</i>
BROOMAN. 6th January 1864.	39. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in drawing and spinning wool, cotton and other textile and filamentous substances, and in apparatus employed therein."— <i>A communication to him from abroad by Pierre Henry Goulet and Jules Hubert Fresnet, both of Reims, France.</i> <i>Letters Patent sealed.</i>
TRACY. TRACY. 6th January 1864.	40. JOHN IBBETSON TRACY, and HENRY GEORGE TRACY, of St. John Street, Clerkenwell, in the County of Middlesex, Manufacturers in Ivory, for an invention for—"Improvements in the construction of umbrellas, parasols and sunshades, part of which improvements is applicable to whips, canes and other like articles." <i>Provisional protection only.</i>

WESTON. MORTON. 6th January 1864.	41. JOHN HENRY WESTON, of Kennington Road, Lambeth, in the County of Surrey, and CHARLES MORTON, of Oxford Street, in the County of Middlesex, for an invention for—"Improvements in apparatus to be used in the exhibition of dramatic and other like performances." <i>Provisional protection only.</i>
CUMMING. 6th January 1864.	42. JAMES CUMMING, of the Great Western Road, Glasgow, for an invention for "Improvements in sewing-machines." <i>Provisional protection only.</i>
ELWELL. 6th January 1864.	43. JOHN BASSETT ELWELL, of Priestfield, near Bilston, in the County of Stafford, Boiler Maker, for an invention for—"Improvements in the construction of ships' masts and spars." <i>Letters Patent sealed.</i>
BASSET. LAMOUREUX. 7th January 1864.	44. ANDRE MARIE BASSET, and LOUIS NICHOLAS DESIRÉ LAMOUREUX, Mechanical Engineers, of No. 10, Rue de la Fidélité, Paris, for an invention for—"Certain improvements in motive-power." <i>Letters Patent sealed.</i>
CAMP. 7th January 1864.	45. EDWIN GILLARD CAMP, of the City of Bristol, Hair Dresser, for an invention for—"Improvements in brushes or apparatus for brushing." <i>Provisional protection only.</i>
MEAD. 7th January 1864.	46. GEORGE MEAD, of No. 203, Bethnal Green Road, Middlesex, for an invention for—"Improvements in tea and coffee urns." <i>Letters Patent sealed.</i>
APPLEBY. VAVASSEUR. 7th January 1864.	47. CHARLES JAMES APPLEBY, of No. 30, Gracechurch Street, in the City of London, Engineer, and JOSIAH VAVASSEUR, of No. 28, Gravel Lane, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in coffer dams and quay walls." <i>Provisional protection only.</i>
RAMSBOTTOM. 7th January 1864.	48. JOHN RAMSBOTTOM, of Crewe, in the County of Chester, Engineer, for an invention for—"Improved machinery and apparatus to be employed in and improved modes of manufacturing hoops, rails and other articles of cast steel." <i>Letters Patent sealed.</i>
BOND. 7th January 1864.	49. JOHN BOND, of the Olive Tree Patent Temple Works, Hyde, in the County of Chester, Machinist, for an invention for—"Improvements in water-gauges for steam-boilers and other vessels." <i>Provisional protection only.</i>
ADAMS. 8th January 1864.	50. ROBERT ADAMS, of King William Street, in the City of London, Gun Maker, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Provisional protection only.</i>
PIDDING. 8th January 1864.	51. WILLIAM PIDDING, of Upper Kennington Lane, in the County of Surrey, Gentleman, for an invention for—"Improvements in the manufacture of soles and heels for boots and shoes, and also in the manufacture of horse shoes." <i>Provisional protection only.</i>
GRAHAM. 8th January 1864.	52. ALEXANDER JOSEPH SLADE GRAHAM, of Northumberland Street, Strand, in the County of Middlesex, for an invention for—"A method of communicating or imparting motion by means of fluids or vapours acting centripetally." <i>Letters Patent sealed.</i>
LAZARUS. 8th January 1864.	53. ISAAC LAZARUS, of Birmingham, in the County of Warwick, Jeweller and Factor, for an invention for—"Improvements in fastenings for brooches and other articles of jewellery, which said improvements are also applicable to fastenings for fastening articles of dress and for other like purposes." <i>Provisional protection only.</i>
REES. 8th January 1864.	54. JAMES REES, of Merthyr Tydvil, in the County of Glamorgan, Miner, for an invention for—"Improvements in safety lamps." <i>Provisional protection only.</i>
BLAND. 8th January 1864.	55. JAMES FOX BLAND, at present stationed at Belfast, in the County of Antrim, in Ireland, a Captain in Her Majesty's 76th Regiment of Infantry, for an invention for—"An improved method of supporting targets and protecting the platforms thereof from injury." <i>Provisional protection only.</i>
McLAURIN. 8th January 1864.	56. PETER McLAURIN, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in drying paper, pasteboard and similar or textile fabrics, and in the machinery, apparatus or means employed therein." <i>Letters Patent sealed.</i>
WALTERS. 9th January 1864.	57. PHILIP WALTERS, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in locks, latches and keys, and in connecting knobs to the spindles of locks and latches." <i>Letters Patent sealed.</i>

SAMUELSON. 9th January 1864.	58. BERNHARD SAMUELSON, of Banbury, in the County of Oxford, Ironmaster and Engineer, for an invention for—"An improvement in smelting iron ores." <i>Letters Patent sealed.</i>
BROOKES. 9th January 1864.	59. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in steam-engines, which improvements are also applicable to engines actuated by air or gas as a motive-power."— <i>A communication to him from abroad by Pierre Joseph Guyet, of 20, Place Lafayette, Paris, in the Empire of France, Civil Engineer.</i> <i>Letters Patent sealed.</i>
PIDGEON. MANWARING. 9th January 1864.	60. DANIEL PIDGEON, of the Britannia Works, Banbury, Agricultural Engineer, and WILLIAM MANWARING, of the same place, Engineer, for an invention for—"Improvements in the construction of machinery for preparing the food of animals." <i>Letters Patent sealed.</i>
WESTHEAD. 9th January 1864.	61. MARCUS BROWN WESTHEAD, of Manchester, in the County of Lancaster, Merchant and Manufacturer, for an invention for—"Improvements in dancing toys."— <i>A communication to him from abroad by Thomas Noe Crow and James Noe Crow, residing at Mott Haven, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
CULVER. JARVIS. 9th January 1864.	62. JOHN PETER CULVER, and ROBERT BRUCE JARVIS, both of Craven Street, Strand, in the County of Middlesex, for an invention for—"Improvements in roller-blinds." <i>Provisional protection only.</i>
BEATSON. 9th January 1864.	63. WILLIAM CLEMENT BEATSON, of Rotherham, in the County of York, for an invention for—"Improvements in furnaces employed in the manufacture of certain descriptions of glass and also improvements in the manufacture of plate glass." <i>Provisional protection only.</i>
COPPARD. 9th January 1864.	64. JOHN COPPARD, of Stanley Road, Balls Pond, in the Parish of Islington, and County of Middlesex, for an invention for—"Improved appliances to be adapted to horse shoes as a substitute for what is termed 'roughing.'" <i>Letters Patent sealed.</i>
WEBSTER. 11th January 1864.	65. JOHN WEBSTER, of Bradford, in the County of York, Overlooker, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
GIBBINS. 11th January 1864.	66. JAMES GIBBINS, of 3, Lawn Villas, South Lambeth, in the County of Surrey, Varnish Maker, for an invention for—"Manufacturing a composition which will render railway and all other tarpaulins, rick cloths, waggon covers, gig, omnibus and all other carriage aprons and covers, whether composed of canvas, leather or other material, perfectly waterproof and non-conbustible." <i>Provisional protection only.</i>
GEDGE. 11th January 1864.	67. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved lace making machine."— <i>A communication to him from abroad by Jaques Barrier, of 39, Rue du Faubourg Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
BARLOW. 11th January 1864.	68. WILLIAM HENRY BARLOW, of No. 19, Great George Street, Westminster, for an invention for—"Improvements in pontoons chiefly applicable to conveying railway trains across tidal and other rivers." <i>Provisional protection only.</i>
GARROD. 11th January 1864.	69. JOSEPH NICHOLAS GARROD, of Falcon Street, Falcon Square, in the City of London, Merchant, for an invention for—"Improvements in stock or plasterers' brushes." <i>Letters Patent sealed.</i>
JARVIS. 11th January 1864.	70. JOHN STEPHEN JARVIS, one of the Managers of Dent, Allcroft, Lycett and Company, of Wood Street, in the City of London, Manufacturers, for an invention for—"An improvement in scarfs for the neck." <i>Provisional protection only.</i>
BONNEVILLE. 11th January 1864.	71. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in engraving."— <i>A communication to him from Armand Mauchain, a person residing at Geneva in Switzerland.</i> <i>Provisional protection only.</i>

- BONNEVILLE.
11th January 1864. 72. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in certain telegraphic apparatus."—*A communication to him from Edouard Estienne, Gentleman, a person residing at Rue de Champ de Mars, Paris, aforesaid.* *Provisional protection only.*
- CLEGG.
CLEGG.
ROWLEY.
11th January 1864. 73. JESSE CLEGG, and JAMES CLEGG, of Huddersfield, in the County of York, Manufacturers, and JOSEPH ROWLEY, of the same place, Cloth Dresser, for an invention for—"Improvements in means and apparatus for pressing, measuring and rolling textile fabrics." *Provisional protection only.*
- WOOLF.
11th January 1864. 74. SYDNEY WOOLF, of Ferrybridge, in the County of York, Earthenware Manufacturer, for an invention for—"An improved mode of packing china and earthenware for firing." *Provisional protection only.*
- NEWTON.
11th January 1864. 75. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"A improved hose coupling."—*A communication to him from abroad by Robert Lawton and William Bliss, of Newport, in the State of Rhode Island, United States of America.* *Provisional protection only.*
- COATES.
11th January 1864. 76. JOHN COATES, of No. 4, Victoria Road, Limehouse, in the County of Middlesex, for an invention for—"Improvements in slide valves for steam-engines." *Letters Patent sealed.*
- NICHOLLS.
12th January 1864. 77. HENRY MARTYN NICHOLLS, Civil Engineer, of 14, Southampton Street, Strand, in the County of Middlesex, for an invention for—"Improvements in generating and applying motive-power." *Letters Patent sealed.*
- LANE.
12th January 1864. 78. JOHN LANE, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in motive-power engines and the apparatus connected therewith." *Letters Patent sealed.*
- NICKOLS.
12th January 1864. 79. DANIEL NICKOLS, of the City of Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for cutting millboard, paper and other similar materials." *Letters Patent sealed.*
- CLARK.
12th January 1864. 80. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of obtaining or preparing fibrous material from vegetable matters."—*A communication to him from abroad by Hubert Dupré, Gentleman, of 29, Boulevard St. Martin, Paris.* *Provisional protection only.*
- TWILLEY.
LAINÉ.
12th January 1864. 81. FREDERICK HENRY TWILLEY, and ARMAND LAINÉ, both of Dean Street, Soho, in the County of Middlesex, for an invention for—"An improved waterproof adhesive compound applicable to uniting the surfaces of leather, wood, paper and other fabrics or substances." *Provisional protection NOT granted.*
- NEWTON.
12th January 1864. 82. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in horizontal water-wheels."—*A communication to him from abroad by Jacob Luther, of Anamosa, in the State of Iowa, United States of America.* *Letters Patent sealed.*
- BROWNING.
12th January 1864. 83. JAMES BROWNING, of Grosvenor Road, Pimlico, in the County of Middlesex, White Lead Manufacturer, for an invention for—"Improvements applicable to street and other lamps or lanterns." *Provisional protection only.*
- LITTLE.
12th January 1864. 84. CHARLES LITTLE, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in means or apparatus employed in weaving." *Provisional protection only.*
- ASH.
12th January 1864. 85. GEORGE ASH, of Great Marlborough Street, in the County of Middlesex, Dentist, for an invention for—"Improvements in the manufacture of guns, cannon and such like ordnance." *Provisional protection only.*
- MARTIN.
12th January 1864. 86. LOUIS EMILE CONSTANT MARTIN, of No. 32, Albion Street, Hyde Park, in the County of Middlesex, for an invention for—"Improvements in apparatus for supplying water to steam-boilers." *Letters Patent sealed.*

WHEATLEY. 12th January 1864.	87. JOHN WHEATLEY, Captain in the Royal Navy, of No. 9, Glücks Strasse, Munich, for an invention for—"Improvements in apparatus for propelling vessels." <i>Letters Patent sealed.</i>
ASKEW. 12th January 1864.	88. CHARLES ASKEW, of No. 271, Charles Street, Hampstead Road, in the County of Middlesex, Coppersmith, for an invention for—"Improvements in coating or sheathing iron ships, iron floating batteries, graving docks and buoys." <i>Letters Patent sealed.</i>
WELCH. 12th January 1864.	89. WILLIAM WELCH, of No. 27, King Street, Southsea, Portsmouth, in the County of Hants, for an invention for—"Improvements in mechanical apparatus for propelling, navigating and governing ships and other projectile bodies, applicable also to ventilation." <i>Letters Patent sealed.</i>
BARTHOLOMEW. 12th January 1864.	90. CHARLES BARTHOLOMEW, of Broxholme, Doncaster, in the County of York, Civil Engineer, for an invention for—"Improvements in working coal and in apparatus employed therein." <i>Letters Patent sealed.</i>
CLAY. 13th January 1864.	91. JOHN CLAY, of Woodley, in the County of Chester, Corn Dealer, for an invention for—"Certain improvements in machinery or apparatus for cleansing, decorticating and cutting potatoes, turnips and other esculent roots." <i>Provisional protection only.</i>
McINTYRE. 13th January 1864.	92. PETER McINTYRE, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in shirts." <i>Letters Patent sealed.</i>
ROBOTHAM. 13th January 1864.	93. SAMUEL ROBOTHAM, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in bird cages." <i>Provisional protection only.</i>
WILKINS. 13th January 1864.	94. GEORGE WILKINS, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in the construction of breech-loading guns and rifles." <i>Letters Patent sealed.</i>
HART. 13th January 1864.	95. GEORGE WILLIAM HART, of Southsea, in the County of Southampton, for an invention for—"Improvements in rifle targets and signalling apparatus." <i>Letters Patent sealed.</i>
ENGLISH. 13th January 1864.	96. THOMAS ENGLISH, of Brompton Barracks, Chatham, in the County of Kent, Lieutenant in the Royal Engineers, for an invention for—"Improvements in the construction of motive-power engines." <i>Letters Patent sealed.</i>
DIETZ. 13th January 1864.	97. MICHAEL ALEXANDER DIETZ, of St. Paul's Building, Little Carter Lane, in the City of London, Lamp Manufacturer, for an invention for—"Improvements in lamps." <i>Letters Patent sealed.</i>
BLAND. 13th January 1864.	98. JAMES FOX BLAND, of Dorset Square, Regent's Park, in the County of Middlesex, a Captain in Her Majesty's 76th Regiment of Infantry, for an invention for—"Improvements in targets and dummy targets." <i>Provisional protection only.</i>
HANLON. HANLON. HANLON. HANLON. 13th January 1864.	99. WILLIAM HANLON, GEORGE HANLON, THOMAS HANLON, and ALFRED HANLON, all of Palsgrave Place, Strand, in the County of Middlesex, for an invention for—"Improvements in gymnastic apparatus particularly applicable to indoor exercise." <i>Letters Patent sealed.</i>
DENTON. WHITAKER. 13th January 1864.	100. WILLIAM DENTON, and JOSEPH WHITAKER, both of Leeds, in the County of York, for an invention for—"Improvements in apparatus for preventing accidents in mines and collieries by the breaking of ropes or overwinding." <i>Letters Patent sealed.</i>
MURPHY. 14th January 1864.	101. WILLIAM JEREMIAH MURPHY, of Lady's Well Brewery, Cork, in the County of Cork, Ireland, for an invention for—"An improved steam-brewing copper." <i>Letters Patent sealed.</i>
WADSWORTH. 14th January 1864.	102. JOSEPH WADSWORTH, of Marple, in the County of Chester, Mechanic, for an invention for—"Improvements in the construction and manufacture of moveable or adjustable heels for boots and shoes." <i>Letters Patent sealed.</i>
CONNELL. 14th January 1864.	103. JAMES CONNELL, of Burton Street, in the Town and County of the Town of Nottingham, for an invention for—"A new mode or method of ornamenting elastic fabrics." <i>Provisional protection only.</i>

RENNIE. 14th January 1864.	104. JAMES RENNIE, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of chandeliers, lamps and other apparatus employed in distributing light." <i>Letters Patent sealed.</i>
PLUM. 14th January 1864.	105. THOMAS WILLIAM PLUM, of King William Street, in the City of London, Iron Master, for an invention for—"Improvements in forging, rolling and shaping iron and other metals, and in tools employed therein." <i>Letters Patent sealed.</i>
THOMPSON. 14th January 1864.	106. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in apparatus for stopping bottles, jars and other vessels, which improvements are also applicable to stopping the muzzles of fire-arms." <i>Letters Patent sealed.</i>
BURT. 14th January 1864.	107. GEORGE BURT, of No. 33, Lower Temple Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture or construction of lamps."— <i>A communication to him from abroad by David Wilson, a person resident at Colombo, in the Island of Ceylon.</i> <i>Letters Patent sealed.</i>
THOMPSON. 14th January 1864.	108. JAMES THOMPSON, of Bilston, in the County of Stafford, Manufacturer, for an invention for—"Improvements in the manufacture of tubes and barrels for fire-arms and ordnance, and in apparatus or machinery to be employed therein." <i>Provisional protection only.</i>
BAKER. 15th January 1864.	109. JOHN EDWARD BAKER, of Birmingham, in the County of Warwick, Blacking Manufacturer, for an invention for—"Improvements in retorts and furnaces for distilling coal and peat and other solid hydrocarbons, for the manufacture of volatile oils therefrom, which improvements may also be applied to retorts and furnaces used for other purposes." <i>Letters Patent sealed.</i>
WOLFSKY. 15th January 1864.	110. MORITZ WOLFSKY, of 12, Newgate Street, in the City of London, for an invention for—"Improvements in locks or fasteners for bags and other similar articles." <i>Provisional protection only.</i>
TONGUE. 15th January 1864.	111. WILLIAM TONGUE, of Wakefield, in the County of York, Engineer, for an invention for—"Improvements in machinery for combing, slivering and preparing fibrous materials to be spun." <i>Letters Patent sealed.</i>
HENERY. 15th January 1864.	112. ALFRED FIELD HENERY, of Dorset Street, Manchester Square, in the County of Middlesex, Doctor of Medicine, for an invention for—"An improved galvanic belt." <i>Letters Patent sealed.</i>
NEWTON. 15th January 1864.	113. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of self-inking hand stamps."— <i>A communication to him from abroad by Auguste Louis Risbourg, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HOWARD. BOUSFIELD. PINNEY. 15th January 1864.	114. JAMES HOWARD, Engineer, EDWARD TENNEY BOUSFIELD, Engineer, and JOHN PINNEY, Engineer, all of Bedford, in the County of Bedford, for an invention for—"Improvements in engines and machinery for tilling land by steam power." <i>Letters Patent sealed.</i>
BOVY. 15th January 1864.	115. LAURENT BOVY, of Liège, in the Kingdom of Belgium, Mechanician, for an invention for—"Improved machinery for driving piles." <i>Provisional protection only.</i>
REYNOLDS. BARRINGTON. 15th January 1864.	116. CHARLES REYNOLDS, and JOHN BARRINGTON, of the Linfield Flax Mills, Belfast, for an invention for—"Improvements in the construction and lubrication of upright shafting and the steps or lower bearings thereof." <i>Letters Patent sealed.</i>
ELLIS. SLADDIN. 15th January 1864.	117. JAMES ELLIS, of Bradford, in the County of York, Mechanic, and JOSEPH SLADDIN, of Halifax, in the same County, Reed and Heald Maker, for an invention for—"Improvements in machinery or apparatus for the manufacture of healds." <i>Letters Patent sealed.</i>
CATO. 15th January 1864.	118. PETER CATO, of Liverpool, in the County of Lancaster, Shipbuilder, for an invention for—"Improvements in the construction of combined iron and timber ships." <i>Letters Patent sealed.</i>

GILL. 16th January 1864.	119. JOHN GILL, of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"Improved means of destroying momentum and restoring it in the opposite direction, applicable to reciprocating movements in the steam-engine and printing and other machinery, as well as for buffers of every description." <i>Provisional protection only.</i>
BURR. 16th January 1864.	120. DAVID AUGUSTE BURR, of Washington City, United States of America, now of No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in lightning arresters for protecting electric telegraph apparatus."— <i>A communication to him from abroad by George Stearns, of Rochester, New York, United States of America.</i> <i>Letters Patent sealed.</i>
ROGERS. 16th January 1864.	121. WILLIAM CHARLES ROGERS, of Cambridge Street Works, Birmingham, in the County of Warwick, Designer, for an invention for—"Improvements in gas lamps." <i>Letters Patent sealed.</i>
BALMFORTH. ROBSON. 16th January 1864.	122. WILLIAM BALMFORTH, Mechanical Engineer, and FRANCIS ROBSON, Stone Merchant, both of Calverley, in the County of York, for an invention for—"Improvements in machinery for hoisting materials." <i>Provisional protection only.</i>
SHANKS. 16th January 1864.	123. ANDREW SHANKS, Engineer, 6, Robert Street, Adelphi, Westminster, for an invention for—"An improved rivetting machine." <i>Letters Patent sealed.</i>
WHELE. 16th January 1864.	124. EDWIN WHELE, of Aston, near Birmingham, in the County of Warwick, Engineer, for an invention for—"An improved machine for cutting chaff, roots or vegetables." <i>Letters Patent sealed.</i>
MOUNTAIN. 16th January 1864.	125. JACOB JEHOSEPHAT SALTER MOUNTAIN, Doctor in Civil Law, of St. Heliers, Jersey, Clerk, for an invention for—"New or improved means of obtaining motive-power by the combination of steam-power with atmospheric or hydraulic pressure, or with both." <i>Provisional protection only.</i>
WOOD. 16th January 1864.	126. WILLIAM WOOD, of Monkhill, near Pontefract, in the County of York, for an invention for—"Improvements in means and machinery for 'warping' or covering land, bog or peat with earth or soil, parts of which are applicable in raising and conveying soil or earthy matters in the formation and cleansing of canals, water-courses or ways, reservoirs, harbours and docks." <i>Provisional protection only.</i>
LORD. 16th January 1864.	127. EDWARD LORD, of Todmorden, in the County of York, Machine Maker, for an invention for—"Certain improvements in machinery for opening and carding cotton and other fibrous substances, part of which is applicable for producing currents of air for other purposes." <i>Letters Patent sealed.</i>
WILSON. 16th January 1864.	128. EDWARD BROWN WILSON, of 10, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in fire-places." <i>Letters Patent sealed.</i>
NEWTON. 18th January 1864.	129. ROBERT NEWTON, of Lower Providence, in the Parish of Keighley, in the County of York, for an invention for—"Improvements in the manufacture of 'spindle bands' used in spinning frames and other machinery." <i>Provisional protection only.</i>
BONNEVILLE. 18th January 1864.	130. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in adjusting daggers to revolvers and other pistols."— <i>A communication from Leon Lambin and Toussaint Theate, persons residing at Liège, in the Kingdom of Belgium.</i> <i>Provisional protection only.</i>
VOGT. 18th January 1864.	131. CARL VOGT, of Cassel, in the Electorate of Hesse, at present temporarily resident at Manchester, in the County of Lancaster, for an invention for—"Improvements in the manufacture of pigments."— <i>A communication to him from abroad by Ludwig Schad, of Cassel, in the Electorate of Hesse, aforesaid.</i> <i>Provisional protection only.</i>
ATTWOOD. 18th January 1864.	132. HENRY ATTWOOD, of Wapping Wall, Shadwell, in the County of Middlesex, for an invention for—"Improvements in packing for steam-engines, pumps and other machinery." <i>Letters Patent sealed.</i>

BECKMAN.
18th January 1864.

133. CHARLES AUGUSTUS BECKMAN, of No. 116, Fenchurch Street, in the City of London, for an invention for—"Improvements in bearings for the axles of railway carriages, and in machinery for constructing parts of the same."—*A communication to him from abroad by Wilhelm Basson, a person resident at Cologne, in the Kingdom of Prussia, thro' the medium of his agent Feril Ludeske, of Cologne.*

Letters Patent sealed.

MARKS.
18th January 1864.

134. WILLIAM HENRY MARKS, of Hart Street, Mark Lane, in the City of London, Wine Merchant, for an invention for—"Improvements in musical instruments."

Letters Patent sealed.

MAINSTONE.
18th January 1864.

135. EDWARD MAINSTONE, of Saint Pancras, in the County of Middlesex, Boot-maker, for an invention for—"Improved arrangements for securing trouser straps to boots, overboots, shoes or such like coverings for the feet, particularly adapted to be used for riding purposes."

Provisional protection only.

SIEVIER.
18th January 1864.

136. ROBERT WILLIAM SIEVIER, of Guildford Street, Russell Square, in the County of Middlesex, for an invention for—"Improvements in cocks or taps."

Letters Patent sealed.

GRÆME.
FORBES.
18th January 1864.

137. PATRICK ST. GEORGE GRÆME, of No. 9, Waterloo Place, Pall Mall, in the County of Middlesex, Captain R.A., and HUGH FORBES, of No. 6, Aberdeen Place, Maida Hill, in the County of Middlesex, for an invention for—"Improvements in apparatus for propelling ships or vessels, also applicable to the raising and propelling of water and other fluids."

Letters Patent sealed.

WYNN.
18th January 1864.

138. SAMUEL WYNN, of Margaret Street, Wilmington Square, in the County of Middlesex, Carpenter, for an invention for—"Improvements in hanging window sashes and in parts connected therewith, to facilitate their easy removal and replacement for painting, cleaning, requiring or otherwise."

Letters Patent sealed.

THOMPSON.
19th January 1864.

139. JAMES THOMPSON, of Bilston, in the County of Stafford, Manufacturer, for an invention for—"Certain improvements in the manufacture of fire-arms and ordnance for military, naval and other purposes."

Letters Patent sealed.

JENNER.
19th January 1864.

140. GEORGE JENNER, of Railway Terrace, Stafford, Civil Engineer, for an invention for—"Improvements in the construction of sun blinds for railway and other carriage windows or for other similar purposes."

Letters Patent sealed.

BURR.
19th January 1864.

141. DAVID AUGUSTE BURR, of Washington City, United States of America, now of No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in cannon."—*A communication to him from abroad by George Ferriss, of Utica, State of New York, in the United States, aforesaid.*

Letters Patent sealed.

VINOT.
19th January 1864.

142. ELIE JEROME VINOT, of Paris, in the Empire of France, Gentleman, for an invention for—"The application of the pneumatic pump to watering apparatus."

Letters Patent sealed.

DE THOREY.
19th January 1864.

143. BERNARD PROSPER GILLET DE THOREY, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Gentleman, for an invention for—"An improved case or box for containing money."

Letters Patent sealed.

BROOMAN.
19th January 1864.

144. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machines for sawing and cutting sugar."—*A communication to him from abroad by Leon Gauchez, of Brussels, Belgium.*

Letters Patent sealed.

COHEN.
19th January 1864.

145. LEWIS JOSEPH COHEN, of Clifton Gardens, Maida Hill, in the County of Middlesex, Gentleman, for an invention for—"An improved apparatus for cultivating."—*A communication to him from abroad by Thomas Ewbank, of New York, in the United States of America.*

Letters Patent sealed.

JOHNSON.
19th January 1864.

146. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved attachment for lamps or gas burners."—*A communication to him from abroad by Warren Fish, of Newark, New Jersey, in the United States of America.*

Provisional protection only.

BILLSON.
19th January 1864.

147. CHARLES BILLSON, of Leicester, for an invention for—"Improvements in the manufacture of knitted vests or under-shirts, and also knitted outer shirts and jackets."

Letters Patent sealed; no specification filed.

JOBIN. 20th January 1864.	148. JOSEPH DOMINIQUE JOBIN, of No. 14, Providence Row, Finsbury Square, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in cutting and working stone, marble and other hard substances, and in machinery or apparatus employed for such purposes." <i>Letters Patent sealed.</i>
HAMILTON. 20th January 1864.	149. JOSEPH HAMILTON, of 2, Richmond Terrace, Albert Street, in the Borough of Southwark, and County of Surrey, for an invention for—"Improvements in machinery or apparatus for cutting wood." <i>Provisional protection only.</i>
DE KERCADO. 20th January 1864.	150. GEORGES THOMAS DE KERCADO, of the Plessis District of Vannes, in the Department of the Morbihan, in the Empire of France, Householder, for an invention for—"Improvements in using the motive-power of steam, compressed air, water and gases." <i>Provisional protection only.</i>
HAMER. 20th January 1864.	151. JOB HAMER, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for separating and sorting the down from feathers, and sorting any kind of broken up waste or rags, and also the application of down to quilts, skirts and wadding, when mixed with cotton, wool or silk." <i>Letters Patent sealed.</i>
LIGHTFOOT. BARNES. LIGHTFOOT. 20th January 1864.	152. THOMAS LIGHTFOOT, of Accrington, in the County of Lancaster, Calico Printer, GEORGE POWELL BARNES, of Manchester, in the said County, Manufacturing Chemist, and JOHN LIGHTFOOT, of Accrington, aforesaid, Chemist, for an invention for—"Improvements in fixing colors on woven fabrics or fibrous materials." <i>Letters Patent sealed.</i>
McHAFFIE. 20th January 1864.	153. NEIL McHAFFIE, of Broad Street, Mile End, Glasgow, Ironfounder, for an invention for—"Improvements in the manufacture of articles from cast iron." <i>Letters Patent sealed.</i>
DAVIES. 20th January 1864.	154. JENKIN DAVIES, of Englefield, Reading, Berkshire, for an invention for—"Improvements in sack holders." <i>Letters Patent sealed.</i>
BOWNS. 20th January 1864.	155. JOHN BOWNS, of Earlestown, near Warrington, in the County of Lancaster, for an invention for—"An improved tool for enlarging holes in sheet and other metal." <i>Letters Patent sealed.</i>
WILSON. 21st January 1864.	156. JAMES WILSON, of No. 2, Royal Exchange Buildings, in the City of London, Civil Engineer, for an invention for—"Improvements in hydraulic valves for working gas purifiers." <i>Letters Patent sealed.</i>
HINDE. 21st January 1864.	157. JOHN GEORGE HINDE, of No. 74, Worcester Street, Birmingham, in the County of Warwick, Brush Manufacturer, for an invention for—"Improvements in brushes." <i>Letters Patent sealed.</i>
DONISTHORPE. 21st January 1864.	158. GEORGE EDMOND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in machinery used in getting coal, stone and other minerals." <i>Letters Patent sealed.</i>
BROCKHURST. SULLIVAN. 21st January 1864.	159. HENRY BROCKHURST, of Beech House, Little Hampton, in the County of Sussex, and JOHN SULLIVAN, of No. 177, Great Dover Street, in the County of Surrey, for an invention for—"Improvements in pressure and vacuum gauges." <i>Letters Patent sealed.</i>
LEBRUN. 21st January 1864.	160. NICOLAS JOSEPH LEBRUN, of 95, Rue de Terre Neuve, Brussels, in the Kingdom of Belgium, Clockmaker, for an invention for—"A new or improved safety apparatus for arresting the fall of cages or platforms used in mine shafts should their suspending rope or chain break." <i>Provisional protection only.</i>
BAYLEY. 21st January 1864.	161. THOMAS BAYLEY, of the Lenton Works, near Nottingham, in the County of Nottingham, Leather Dresser, for an invention for—"Improvements in tanning machines." <i>Provisional protection only.</i>
HENRY. 21st January 1864.	162. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in organs and other musical instruments, and in apparatus for preparing or producing certain articles to be used therein."— <i>A communication to him from abroad by Joseph Antoine Testé, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>

- JARROLD.
YATES.
21st January 1864.
163. EDGAR TOWNEND JARROLD, of the City of Norwich, in the County of Norfolk, and GEORGE JOHN YATES, of Penketh, near Warrington, in the County of Lancaster, for an invention for—"Improvements in deodorizing paraffin, petroleum, rock-shale, and other hydro-carbon oils."
Letters Patent sealed.
- HALL.
21st January 1864.
164. JAMES TURNER HALL, of Edgehill Station, Liverpool, in the County of Lancaster, Gas Engineer, for an invention for—"An improved combined lantern and lamp for burning petroleum and other like hydro-carbon fluids."
Letters Patent sealed.
- BURCH.
FEARNLEY.
21st January 1864.
165. JOSEPH BURCH, of Crag Works, near Macclesfield, in the County of Chester, Engineer and Carpet Manufacturer, and SAMUEL FEARNLEY, of the same place, Manager, for an invention for—"Certain improvements in the mechanism of looms for weaving terry and cut pile fabrics, and in the apparatus for controlling the letting off and taking up action in looms and other machinery, and for driving machinery at a uniform or variable speed."
Letters Patent sealed.
- HEPTONSTALL.
LUNN.
21st January 1864.
166. CHARLES HEPTONSTALL, and WILLIAM LUNN, of Kirkburton, in the County of York, Stay Manufacturers, for an invention for—"Improvements in the manufacture of stays."
Letters Patent sealed.
- IRVINE.
RICHARDSON.
LUNDY.
21st January 1864.
167. ROBERT IRVINE, of Magdalene Chemical Works, Musselburgh, THOMAS RICHARDSON, of Newcastle-upon-Tyne, and JOHN JAMES LUNDY, of Leith, in the County of Midlothian, for an invention for—"Improvements in the extraction or manufacture of oils from animal substances."
Letters Patent sealed.
- JOHNSON.
21st January 1864.
168. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing machines."—*A communication to him from abroad by The Grover and Baker Sewing Machine Company, of New York, in the United States of America.*
Letters Patent sealed.
- RITCHIE.
21st January 1864.
169. FREDERICK JAMES RITCHIE, of Edinburgh, in the County of Midlothian, North Britain, Clock and Watch Maker, for an invention for—"Improvements in the application of magneto-electricity to the propelling and controlling of sympathetic clocks."
Letters Patent sealed.
- LAUDER.
22nd January 1864.
170. GEORGE LAUDER, of Glasgow, in the County of Lanark, Engineer, for an invention for—"An improved treatment of tar or 'dead' oil to obtain products therefrom, and improvements in the apparatus employed in the process."
Provisional protection only.
- BAGOT.
22nd January 1864.
171. HENRY CHAPMAN BAGOT, of Liverpool, in the County of Lancaster, Flat Proprietor, for an invention for—"Improvements in the construction of navigable vessels."
Letters Patent sealed.
- BURTON.
22nd January 1864.
172. FREDERICK WILLIAM BURTON, of 20, Somerset Place, New North Road, in the County of Middlesex, Ornamental Carver, for an invention for—"Improvements in securing chairs, stools, tables and other articles of furniture to floors."
Provisional protection only.
- WOODMAN.
22nd January 1864.
173. CHARLES TODD WOODMAN, of Boston, in the County of Suffolk, and State of Massachusetts, of the United States of America, for an invention for—"A new and useful improvement in closing bottles, jars, faucets and stopcocks."
Letters Patent sealed.
- SEWELL.
22nd January 1864.
174. JOSEPH SEWELL, of Preston, in the County of Lancaster, Cabinet Maker, for an invention for—"Improvements in apparatus for raising or lowering venetian or other blinds, curtains or shutters."
Letters Patent sealed.
- MITTON.
22nd January 1864.
175. JOSEPH MITTON, of Lincoln, in the County of Lincoln, for an invention for—"Improvements in machinery or apparatus for cleaning, sifting and dressing grain, seeds, and other substances."
Provisional protection only.
- CLARK.
22nd January 1864.
176. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in sewing machines."—*A communication to him from abroad by John Loper Knowlton, Wright Bennett, and John W. Lynn, all of the City of Philadelphia, State of Pennsylvania, United States of America.*
Letters Patent sealed.

WALTON. WALTON, jr. WALTON. 22nd January 1864.	177. JOHN WHITEHEAD WALTON, of Ponders End, Gentleman, JOHN WHITEHEAD WALTON, junior, Artist, and HENRY COODE WALTON, Engineer, both of Wickham House, Notting Hill, all in the County of Middlesex, for an invention for—"Improvements in protecting vessels and fortifications from the effects of projectiles."— <i>A communication to them from abroad by Henry Walton, of San Francisco, State of California, United States of America.</i> <i>Provisional protection only.</i>
EADES. 22nd January 1864.	178. RICHARD EYRAS EADES, of the City Road, in the County of Middlesex, Ivory Worker, for an invention for—"Improvements in scarf and neck tie rings." <i>Provisional protection only.</i>
McADAM. 22nd January 1864.	179. WILLIAM McADAM, of Glasgow, in the County of Lanark, North Britain, Pottery and Glass Manufacturer, for an invention for—"Improvements in stoppers and bungs for closing bottles and casks and other receptacles, and in the machinery or apparatus employed in the manufacture of the same." <i>Letters Patent sealed.</i>
SMITH. 22nd January 1864.	180. GEORGE SMITH, the younger, of 230, King's Road, Chelsea, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in wheels for locomotive engines, carriages to be used on railways and similar purposes." <i>Provisional protection only.</i>
JOHNSON. 22nd January 1864.	181. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in propelling and steering ships and vessels."— <i>A communication to him from abroad by John Harris, of the City of Montreal, in the Province of Canada, Brewer.</i> <i>Letters Patent sealed.</i>
CLARKSON. 23rd January 1864.	182. THOMAS CHARLES CLARKSON, of 56, Stamford Street, Blackfriars Road, in the County of Surrey, Manufacturer, for an invention for—"Improvements in ordnance and in applying certain cylinders and tubes for forming projectiles and recoil springs, which improvements are applicable for forming vessels for war and pillars in deep water." <i>Letters Patent sealed.</i>
EDWARDS. 23rd January 1864.	183. JOHN EDWARDS, of 29, Basinghall Street, in the City of London, for an invention for "Improvements in the manufacture of curtain hooks." <i>Provisional protection only.</i>
BRIERLEY. 23rd January 1864.	184. JOHN HENRY BRIERLEY, of Beech Hill Mills, Halifax, and 58, Aldermanbury, London, for an invention for—"Improvements in belt clasps or fasteners." <i>Provisional protection only.</i>
GREENWOOD. 23rd January 1864.	185. BARZILLAI GREENWOOD, of 1, Alma Terrace, Fentiman Road, South Lambeth, for an invention for—"Improvements in fancy boxes containing glass in the lids." <i>Provisional protection only.</i>
SHAW. 23rd January 1864.	186. JOHN SHAW, of New Wortley, Leeds, Implement Manufacturer, for an invention for—"Improvements in harrows." <i>Letters Patent sealed.</i>
SHAW. 23rd January 1864.	187. JOHN SHAW, New Wortley, Leeds, Agricultural Implement Manufacturer for an invention for—"Improvements in lawn mowing machines." <i>Letters Patent sealed.</i>
DE VANSAY. 23rd January 1864.	188. COUNT GEORGE DE VANSAY, of Nonancourt, Departement of the Eure, in the Empire of France, Manufacturer, for an invention for—"Improvements in spinning textile and thready fabrics." <i>Provisional protection only.</i>
MARKLAND. WILLIAMS. SHERIDAN. 23rd January 1864.	189. THOMAS MARKLAND, of Hyde, in the County of Chester, Reed Maker, and THOMAS WILLIAMS, of the City of Manchester, in the County of Lancaster, Cotton Spinner, and JOHN BRINSLEY SHERIDAN, Auctioneer, of the same place, for an invention for—"Certain improvements in paddle wheels for propelling steam or other vessels." <i>Provisional protection only.</i>
STEWART. 23rd January 1864.	190. DAVID YOOLOW STEWART, of Glasgow, in the County of Lanark, North Britain, Ironfounder, for an invention for—"Improvements relating to moulds and cores for casting." <i>Letters Patent sealed.</i>
McELROY. 23rd January 1864.	191. JOHN McELROY, of Alma Square, Stretford, in the County of Lancaster, Book-keeper, for an invention for—"Improvements in the construction of stands for casks and barrels." <i>Provisional protection only.</i>

- NORTH.**
23rd January 1864. 192. **FREDERICK NORTH**, of Leeds, in the County of York, Cloth Merchant, for an invention for—"Improvements in processes and apparatus for treating and preparing peat and turf and the products obtained therefrom."—*A communication to him from abroad by Charles Fluery, of Bruxelles.* *Letters Patent sealed.*
- MYERS.**
23rd January 1864. 193. **EDWARD MYERS**, of Millbank Row, Westminster, in the County of Middlesex, Civil Engineer, and **HENRY DUNDAS GLOAG**, of Pall Mall, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for propelling and steering ships or vessels." *Complete Specification ; protection for SIX months only.*
- BRIGHT.**
23rd January 1864. 194. **THOMAS BRIGHT**, of the Old Foundry, Carmarthen, for an invention for—"Improvements in kilns and apparatus for drying malt, corn, hops and other vegetable substances." *Letters Patent sealed.*
- WRIGHT.**
23rd January 1864. 195. **ROBERT ALFRED WRIGHT**, of Pentonville Road, in the County of Middlesex, Engineer, and **ERNEST WRIGHT**, of Nelson Square, Blackfriars Road, in the County of Surrey, India Rubber Merchant, for an invention for—"Improvements in apparatus for consuming smoke and promoting the combustion of fuel in furnaces." *Letters Patent sealed.*
- PLATT.**
23rd January 1864. 196. **JOHN PLATT**, of Oldham, in the County of Lancaster, Mechanical Engineer, and **WILLIAM RICHARDSON**, of the same place, Mechanical Engineer, for an invention for—"Improvements in the preparation of clay for the manufacture of bricks, tiles, slabs or other articles which may be made of such material." *Letters Patent sealed.*
- STEVENS.**
23rd January 1864. 197. **THOMAS STEVENS**, of Coventry, in the County of Warwick, Manufacturer, for an invention for—"An improved mode of ornamenting paper, cardboard and other surfaces, with symbolical and other devices." *Provisional protection only.*
- NEWTON.**
23rd January 1864. 198. **WILLIAM EDWARD NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam pumps."—*A communication to him from abroad by Henry S. Lansdell, James O. Alter, and C. T. Francis, all of St. Louis, in the State of Missouri, United States of America.* *Letters Patent sealed.*
- DIX.**
23rd January 1864. 199. **JOHN EDWARD DIX**, of 116, Albany Road, Camberwell, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of furnaces for steam-boilers and other useful purposes." *Letters Patent sealed.*
- LUCIUS.**
23rd January 1864. 200. **EUGEN LUCIUS**, of Frankfort-on-the-Maine, Germany, but at present residing at Chatham Place, Blackfriars, in the City of London, Doctor of Philosophy, for an invention for—"Improvements in the manufacture and production of colors." *Letters Patent sealed.*
- CHAPMAN.**
23rd January 1864. 201. **WILLIAM CHAPMAN**, of Clonmel, Ireland, Miller, for an invention for—"Improvements in traction engines and vehicles for common roads." *Provisional protection only.*
- PIDDINGTON.**
25th January 1864. 202. **JOHN PIDDINGTON**, of No. 53, Gracechurch Street, in the City of London, for an invention for—"Improvements in the manufacture of paper from straw and other analogous vegetable fibrous substances."—*A communication to him from abroad by Augustus Henry Tait, of Jersey City, in the County of Hudson, and State of New Jersey, William Henry Holbrook, of the City and County and State of New York, and Asahel Knowlton Eaton, of the City of Brooklyn, and County of Kings, America.* *Provisional protection only.*
- IBOTSON.**
25th January 1864. 203. **WILLIAM IBOTSON**, of Wraybury, in the County of Buckingham, Paper Maker, for an invention for—"An improvement in the process of bleaching materials for paper making." *Letters Patent sealed.*
- BONNEVILLE.**
25th January 1864. 204. **HENRI ADRIEN BONNEVILLE**, Patent Agent, of Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in apparatus for recovering ships."—*A communication from Charles Jean Frederic Eyber, a person residing Rue Coquillière, Paris, in the Empire of France.* *Complete specification ; Letters Patent sealed.*

TASKER. 25th January 1864.	205. WILLIAM TASKER, of Halifax, in the County of York, Patent Agent, for an invention for—"Improvements in corn dressing and winnowing machines."— <i>A communication to him from abroad by Joseph Mellor, a person resident at Adelaide, Australia.</i> <i>Provisional protection only.</i>
GRIMSHAW. 25th January 1864.	206. WILLIAM DAKIN GRIMSHAW, of Mitcham, in the County of Surrey, Engineer, for an invention for—"An improved atmospheric hammer the reservoir of which is used as a blower when the hammer is at rest." <i>Letters Patent sealed.</i>
TASKER. 25th January 1864.	207. WILLIAM TASKER, of Halifax, in the County of York, Patent Agent, for an invention for—"Improvements in drays or carts."— <i>A communication to him from abroad by Joseph Mellor, a person resident at Adelaide, Australia.</i> <i>Provisional protection only.</i>
MOORE. 25th January 1864.	208. SAMPSON MOORE, of the North Foundry, Liverpool, in the County of Lancaster, Millwright and Engineer, for an invention for—"An improved overhead travelling jib-crane for facilitating the loading and discharging of navigable vessels, and for lifting and removing heavy bodies generally, parts of which improvements are also applicable to overhead crab-winchs or travelling jennies." <i>Letters Patent sealed.</i>
MCKENZIE. 25th January 1864.	209. ALEXANDER MCKENZIE, of No. 25, Grosvenor Mews, New Bond Street, in the County of Middlesex, Coach-Body Maker, for an invention for—"An improved hinge for the heads of barouches, landaus and other carriages." <i>Provisional protection only.</i>
MCALLUM. 25th January 1864.	210. MALCOLM SINCLAIR MCALLUM, of the firm of Virtue, McCallum and Ramsay, of Glasgow, in the County of Lanark, North Britain, Hat Manufacturers, for an invention for—"Improvements in hats and other coverings for the head." <i>Provisional protection only.</i>
BRADFORD. 25th January 1864.	211. THOMAS BRADFORD, of Cathedral Steps, Manchester, in the County of Lancaster, and 63, Fleet Street, London, in the County of Middlesex, Washing Machine Manufacturer, for an invention for—"Certain improvements in machinery or apparatus for washing, wringing, mangling and churning." <i>Letters Patent sealed.</i>
VAILE. 25th January 1864.	212. SAMUEL VAILE, of Basinghall Street, in the City of London, Merchant, for an invention for—"Improvements in tables." <i>Letters Patent sealed.</i>
KNIFFEN. DODGE. 25th January 1864.	213. ALZIRUS BROWN LE GRAND KNIFFEN, and THOMAS HUTCHINS DODGE, of Worcester, in the State of Massachusetts, United States of America, for an invention for—"Improvements in machinery for mowing and reaping." <i>Letters Patent sealed.</i>
NEWTON. 25th January 1864.	214. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements applicable to governors for regulating the speed of steam-engines."— <i>A communication to him from abroad by Alphonse Wackernie, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
LINDLEY. TAYLOR. 25th January 1864.	215. LEONARD LINDLEY, and FREDERICK TAYLOR, of Melbourne Street, Mansfield Road, and Comyn Street, Nottingham, Sewing Machine Manufacturers, for an invention for—"Improvements in machinery for sewing, whipping, embroidering and fringing." <i>Letters Patent sealed.</i>
STUTTAFORD. 25th January 1864.	216. JOHN STUTTAFORD, of No. 18, Eversholt Street, Bedford-Newtown, in the County of Middlesex, for an invention for—"Improvements in organs." <i>Letters Patent sealed.</i>
BESSEMER. 25th January 1864.	217. HENRY BESSEMER, of Queen Street Place, New Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of projectiles." <i>Letters Patent sealed.</i>
DARLINGTON. 26th January 1864.	218. GEORGE DARLINGTON, of Minera, in the County of Denbigh, Zinc Smelter, for an invention for—"Improvements in the manufacture of zinc white." <i>Letters Patent sealed.</i>
MARTINDALE. WILLIAMS. 26th January 1864.	219. RALPH MARTINDALE, and JOHN WILLIAMS, the younger, both of Birmingham, in the County of Warwick, Lamp Manufacturers, for an invention for—"Improvements in lamps." <i>Letters Patent sealed.</i>

- NORTH.**
23rd January 1864. 192. FREDERICK NORTH, of Leeds, in the County of York, Cloth Merchant, for an invention for—"Improvements in processes and apparatus for treating and preparing peat and turf and the products obtained therefrom."—*A communication to him from abroad by Charles Fluery, of Bruxelles.*
Letters Patent sealed.
- MYERS.**
GLOAG.
23rd January 1864. 193. EDWARD MYERS, of Millbank Row, Westminster, in the County of Middlesex, Civil Engineer, and HENRY DUNDAS GLOAG, of Pall Mall, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for propelling and steering ships or vessels."
Complete Specification; protection for six months only.
- BRIGHT.**
23rd January 1864. 194. THOMAS BRIGHT, of the Old Foundry, Carmarthen, for an invention for—"Improvements in kilns and apparatus for drying malt, corn, hops and other vegetable substances."
Letters Patent sealed.
- WRIGHT.**
WRIGHT.
23rd January 1864. 195. ROBERT ALFRED WRIGHT, of Pentonville Road, in the County of Middlesex, Engineer, and ERNEST WRIGHT, of Nelson Square, Blackfriars Road, in the County of Surrey, India Rubber Merchant, for an invention for—"Improvements in apparatus for consuming smoke and promoting the combustion of fuel in furnaces."
Letters Patent sealed.
- PLATT.**
RICHARDSON.
23rd January 1864. 196. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in the preparation of clay for the manufacture of bricks, tiles, slabs or other articles which may be made of such material."
Letters Patent sealed.
- STEVENS.**
23rd January 1864. 197. THOMAS STEVENS, of Coventry, in the County of Warwick, Manufacturer, for an invention for—"An improved mode of ornamenting paper, cardboard and other surfaces, with symbolical and other devices."
Provisional protection only.
- NEWTON.**
23rd January 1864. 198. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam pumps."—*A communication to him from abroad by Henry S. Lansdell, James O. Alter, and C. T. Francis, all of St. Louis, in the State of Missouri, United States of America.*
Letters Patent sealed.
- DIX.**
23rd January 1864. 199. JOHN EDWARD DIX, of 116, Albany Road, Camberwell, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of furnaces for steam-boilers and other useful purposes."
Letters Patent sealed.
- LUCIUS.**
23rd January 1864. 200. EUGEN LUCIUS, of Frankfort-on-the-Maine, Germany, but at present residing at Chatham Place, Blackfriars, in the City of London, Doctor of Philosophy, for an invention for—"Improvements in the manufacture and production of colors."
Letters Patent sealed.
- CHAPMAN.**
23rd January 1864. 201. WILLIAM CHAPMAN, of Clonmel, Ireland, Miller, for an invention for—"Improvements in traction engines and vehicles for common roads."
Provisional protection only.
- PIDDINGTON.**
25th January 1864. 202. JOHN PIDDINGTON, of No. 53, Gracechurch Street, in the City of London, for an invention for—"Improvements in the manufacture of paper from straw and other analogous vegetable fibrous substances."—*A communication to him from abroad by Augustus Henry Tait, of Jersey City, in the County of Hudson, and State of New Jersey, William Henry Holbrook, of the City and County and State of New York, and Asahel Knowlton Eaton, of the City of Brooklyn, and County of Kings, America.*
Provisional protection only.
- IBOTSON.**
25th January 1864. 203. WILLIAM IBOTSON, of Wraybury, in the County of Buckingham, Paper Maker, for an invention for—"An improvement in the process of bleaching materials for paper making."
Letters Patent sealed.
- BONNEVILLE.**
25th January 1864. 204. HENRI ADRIEN BONNEVILLE, Patent Agent, of Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in apparatus for recovering ships."—*A communication from Charles Jean Frederic Ejyber, a person residing Rue Coquillere, Paris, Empire of France.*
Complete specification; Letters Patent sealed.

- BROOMAN.
26th January 1864. 220. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in bolting mills."—*A communication to him from abroad by Edouard Honoré Vittecoq, of Beaumontel, France. Letters Patent sealed.*
- COMBE.
SMALPAGE.
26th January 1864. 221. JOHN COMBE, of Leeds, Engineer, and JOHN HENRY SMALPAGE, also of Leeds, Woollen Draper and Tailor, for an invention for—"Improvements in the action and arrangement of power looms, and in the transmission of motion to power looms and other machines." *Letters Patent sealed.*
- NORTON.
26th January 1864. 222. WALTER NORTON, of Clayton West, Huddersfield, for an invention for—"Improvements in weaving cut pile fabrics." *Letters Patent sealed.*
- HUSKINSON.
26th January 1864. 223. HENRY CHARLES HUSKINSON, of Manchester, in the County of Lancaster, for an invention for—"Improvements in the manufacture of buttons." *Letters Patent sealed.*
- CHRISTIE.
26th January 1864. 224. PETER CHRISTIE, of Greenock, in the County of Renfrew, North Britain, Carver, for an invention for—"Improvements in the building of wooden ships, vessels and boats." *Letters Patent sealed.*
- JOHNSON.
26th January 1864. 225. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in stopping bottles containing aerated liquids."—*A communication to him from abroad by Edward Hamilton, of Chicago, in the United States of America. Letters Patent sealed.*
- ZACHERL.
27th January 1864. 226. JOHANN ZACHERL, of Vienna, and of 3, Bury Court, in the City of London, for an invention for—"An improved tincture or liquid preparation for destroying insects." *Letters Patent sealed.*
- YOUNG.
KIRK.
27th January 1864. 227. JAMES YOUNG, of 19, Bucklersbury, in the City of London, Gentleman, and ALEXANDER CARNEGIE KIRK, of Bathgate, in the County of Linlithgow, North Britain, Engineer, for an invention for—"Improvements in motive-power engines." *Letters Patent sealed.*
- GEDGE.
27th January 1864. 228. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved rotary steam-engine."—*A communication to him from abroad by Alexandre Gerin, of Lyons, in the Empire of France. Letters Patent sealed; no specification filed.*
- GEDGE.
27th January 1864. 229. JOHN GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Certain improvements in the construction of ploughs."—*A communication to him from abroad by Jean Germain Felix Clamageran, of La Lambertre, in the Department of the Gironde, in the Empire of France. Complete Specification; Letters Patent sealed.*
- BUTTERWORTH.
27th January 1864. 230. THOMAS BUTTERWORTH, of Yorkshire Street, Mumps, Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for cutting manufactured and leaf tobaccos." *Provisional protection only.*
- GRAFTON.
27th January 1864. 231. SIDNEY GRAFTON, of Warstone Lane, Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in apparatus for aiding or assisting persons in entering and alighting from vehicles." *Letters Patent sealed.*
- PARKES.
27th January 1864. 232. FRANCIS PARKES, of Sutton Coldfield, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of horse shoe nails." *Provisional protection only.*
- ATKINS.
27th January 1864. 233. ELIJAH ATKINS, of Birmingham, in the County of Warwick, Black Ornament Manufacturer, for an invention for—"Improvements in fastenings for brooches, sleeve links, solitaires, belts and other articles of jewellery and dress." *Letters Patent sealed.*
- BURY.
28th January 1864. 234. WILLIAM TARLETON BURY, of Regent Works, Sheffield, in the County of York, Steel Manufacturer, for an invention for—"A new or improved material for forming moulds employed in casting steel and other metals." *Letters Patent sealed.*

FRY. 28th January 1864.	235. JAMES FRY, of Chesham, in the County of Buckingham, Engineer, for an invention for—"Improved arrangements of mechanism to be used in the mashing process when brewing or distilling." <i>Provisional protection only.</i>
JAMES. 28th January 1864.	236. ENOCH WATKIN JAMES, of Brynlllys, in the County of Cardigan, Farmer, for an invention for—"Improvements in apparatus for giving buoyancy to or raising sinking or submerged ships and other sinking or sunken bodies." <i>Letters Patent sealed.</i>
RODGERS. 28th January 1864.	237. JOSEPH RODGERS, of Hunslet, in the Parish of Leeds, in the County of York, for an invention for—"Improvements in the construction of railway and road wheels, of road wheel arms or axles, and also of pulleys and drums." <i>Letters Patent sealed.</i>
NEWTON. 28th January 1864.	238. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of certain kinds of soap."— <i>A communication to him from abroad by Jules Mathieu, of Rue St. Sébastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HENSON. 28th January 1864.	239. JAMES HENSON, of 13, Parliament Street, Westminster, for an invention for—"Improvements in the construction of railway goods waggons." <i>Provisional protection only.</i>
WINTER. 29th January 1864.	240. WILLIAM WINTER, of Leeds, in the County of York, for an invention for—"Improvements in shaping machines also applicable to other machinery." <i>Provisional protection only.</i>
HOLMES. 29th January 1864.	241. NATHANIEL JOHN HOLMES, Gentleman, of 32, Park Street, Haverstock Hill, Hampstead, Middlesex, for an invention for—"Improvements as applied to the regulation of machinery for covering telegraph cables, wires, and other similar articles." <i>Letters Patent sealed.</i>
BONNEVILLE. 29th January 1864.	242. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in anchors."— <i>A communication to him from Jean Baptist, Adolphe Boyer, Amedée Pierre Vincent Varenne, and Louis Alphonse Bonin, persons residing at Rue Vivienne, Paris, aforesaid.</i> <i>Provisional protection only.</i>
BONNEVILLE. 29th January 1864.	243. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"A new apparatus for making additions and multiplications of numbers and quantities."— <i>A communication to him from Ernest Francois Regnault and Eugène Auguste Lambert, Civil Engineers, persons residing at Rue Saint Lazare, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
CANOUIL. 29th January 1864.	244. GERMAIN CANOUIL, of Paris, France, Gentleman, for an invention for—"An improved alarm and signalling apparatus." <i>Letters Patent sealed.</i>
DIXON. CALVERT. 29th January 1864.	245. STEPHEN DIXON, and JAMES CALVERT, the younger, of Nottingham House, Long Row, in the Great Market Place, in the Town and County of the Town of Nottingham, Drapers and Silk Mercers, for an invention for—"Improvements in the production of ladies' stays and corsets, and other garments used for under clothing for the human frame." <i>Letters Patent sealed.</i>
KERSHAW. 29th January 1864.	246. JABEZ KERSHAW, of Bradford, in the County of York, for an invention for—"Improvements in the take-up apparatus employed in weaving." <i>Provisional protection only.</i>
MAUDE. 29th January 1864.	247. WILLIAM EDWARD MAUDE, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements applicable to steam-engines."— <i>A communication to him from abroad by Nathan Thomas Edison, of New Orleans, in the United States of America.</i> <i>Letters Patent sealed.</i>
DAVIS. 29th January 1864.	248. HENRY ALBERT DAVIS, of Hammersmith, in the County of Middlesex, for an invention for—"Improvements in apparatus used in printing with various colors." <i>Provisional protection only.</i>

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| <p>BROMWICH.
29th January 1864.</p> <p>HEATHORN.
29th January 1864.</p> <p>MARSHALL.
29th January 1864.</p> <p>FONTAINEMOREAU.
30th January 1864.</p> <p>THOMSON.
30th January 1864.</p> <p>TOZER.
30th January 1864.</p> <p>FELLOWS.
30th January 1864.</p> <p>BURR.
30th January 1864.</p> <p>HADDAN.
30th January 1864.</p> <p>PHILLIPS.
30th January 1864.</p> <p>BRAZIER.
30th January 1864.</p> <p>HUGHES.
30th January 1864.</p> <p>WHITWORTH.
30th January 1864.</p> <p>CLARK.
30th January 1864.</p> | <p>249. BRYAN L'ANSON BROMWICH, of Birmingham, in the County of Warwick, Gentleman, for an invention for "Improvements in the construction of casks or vessels for the storing and preservation of wines, spirits and other liquors or fluids."
<i>Letters Patent sealed.</i></p> <p>250. THOMAS MARTIN HEATHORN, of Watlingbury, in the County of Kent, Brewer, for an invention for—"Improvements in machinery for separating liquid from solid substances containing liquid."
<i>Letters Patent sealed and specification filed by order.</i></p> <p>251. JOHN MARSHALL, of No. 126, Pentonville Road, in the County of Middlesex, Civil and Mechanical Engineer, for an invention for—"Certain improvements in presses for the expression of oil and other fluids."
<i>Letters Patent sealed.</i></p> <p>252. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in stays and other articles of wearing apparel."—<i>A communication from Madame V. Billard, a person resident at Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>253. ROBERT BURNS THOMSON, of Glasgow, in the County of Lanark, North Britain, Mill Manager, for an invention for—"Improvements in brakes applicable to carts, waggons, lorries, vans and porters' barrows, and in machinery, apparatus or means for working the same."
<i>Provisional protection only.</i></p> <p>254. ALFRED TOZER, of Manchester, in the County of Lancaster, Superintendent of the Manchester Fire Brigade, for an invention for—"Certain improvements in 'hand pumps' for forcing liquids, and in an adaptation of swivel to 'union joints' used for connecting hose pipes."
<i>Letters Patent sealed.</i></p> <p>255. NOAH FELLOWS, of No. 28, Quadrant Grove, Haverstock Hill, in the County of Middlesex, Zinc Worker, for an invention for—"An improved apparatus for the cure of smoky chimneys."
<i>Provisional protection only.</i></p> <p>256. DAVID AUGUSTE BURR, of Washington City, United States of America, now of No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in springs for railway carriages and other purposes."—<i>A communication to him from abroad by Richard Vose, of New York, State of New York, United States of America.</i>
<i>Provisional protection only.</i></p> <p>257. JOHN COOPE HADDAN, of Besborough Gardens, Pimlico, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fire-arms and in artillery and projectiles for the same."
<i>Letters Patent sealed.</i></p> <p>258. JOSEPH PHILLIPS, of No. 11, Albert Square, Clapham Road, in the County of Surrey, for an invention for—"Improvements in piles or cylinders for piers, embankments, coffer dams and other structures that are wholly or partially under water."
<i>Letters Patent sealed.</i></p> <p>259. RICHARD BRAZIER, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in breech-loading fire-arms."
<i>Provisional protection only.</i></p> <p>260. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in submarine batteries."—<i>A communication to him from abroad by Captain Henry Doty and Captain William Porter Downer, of 13, Rue Gaillon, Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>261. JOSEPH WHITWORTH, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in projectiles."
<i>Letters Patent sealed and specification filed by order.</i></p> <p>262. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in railway break apparatus."—<i>A communication to him from abroad by Claude Parigot and Antoine Grivel, Engineers, both of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> |
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CLARK. 30th January 1864.	263. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in effecting the combustion of certain matters for heating purposes and in apparatus for the same."— <i>A communication to him from abroad by Francis Bernard de Keravenan, Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MYERS. GLOAG. 30th January 1864.	264. EDWARD MYERS, of Millbank Row, Westminster, in the County of Middlesex, Civil Engineer, and HENRY DUNDAS GLOAG, of Pall Mall, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of rotary pumps." <i>Provisional protection only.</i>
BESSEMER. 30th January 1864.	265. HENRY BESSEMER, of Queen Street Place, New Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of armour plates and in the machinery or apparatus employed in such manufacture." <i>Letters Patent sealed.</i>
NEWTON. 30th January 1864.	266. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of aluminum."— <i>A communication to him from abroad by Nicolas Basset, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
JONES. 1st February 1864.	267. JAMES GRAFTON JONES, of No. 53, Cumming Street, Pentonville, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery employed when getting coal, stone and other mineral." <i>Letters Patent sealed.</i>
PRINCE. 1st February 1864.	268. ALEXANDER PRINCE, of the Office for Patents, 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the manufacture of artificial pavement, which improvements are also applicable to pottery ware."— <i>A communication to him from abroad by Victor Duprat, resident at Bordeaux, in the Empire of France.</i> <i>Provisional protection only.</i>
HUTCHINSON. 1st February 1864.	269. WILLIAM NELSON HUTCHINSON, of Plymouth, in the County of Devon, Major General in Her Majesty's Army, for an invention for—"Improvements in the construction of cylinders of hydraulic machines, applicable also to the construction of ordnance and other articles or vessels subject to pressure from within." <i>Letters Patent sealed.</i>
ROWSSELL. 1st February 1864.	270. CHARLES JOHN ROWSELL, of Stockwell Villas, South Lambeth Road, in the County of Surrey, Accountant, for an invention for—"Improvements in apparatus for viewing photographic and other pictures, coins and medals, which is also applicable in the production of drawings and paintings." <i>Provisional protection only.</i>
HARRISON. 1st February 1864.	271. EDWARD HARRISON, of the Strand, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
CLEGG. SMITH. CARNELLEY. 2nd February 1864.	272. JOSEPH CLEGG, of High Crompton, in the County of Lancaster, Cotton Spinner, JOHN SMITH, of the same place, Manager, and WILLIAM CARNELLEY, of Manchester, in the same County, Warehouseman, for an invention for—"Improvements in the method of weaving certain descriptions of fabrics termed 'diagonals' and 'twills.'" <i>Letters Patent sealed.</i>
WINKLES. 2nd February 1864.	273. JAMES ORLANDO WINKLES, of Birmingham, in the County of Warwick, Goldsmith and Silversmith, for an invention for—"An improvement or improvements in the manufacture of fastenings for belt clasps, bracelets and necklets, applicable also to other articles." <i>Provisional protection only.</i>
ANDERSON. 2nd February 1864.	274. DAVID ANDERSON, of Birmingham, in the County of Warwick, Brass Founder, for an invention for—"Improvements in the manufacture of curtain and other rings and in tools to be used in the said manufacture, which improvements are also applicable to the manufacture of other articles of an annular figure." <i>Letters Patent sealed.</i>
MARTINEAU. 2nd February 1864.	275. FRANCIS EDGAR MARTINEAU, of the firm of Francis Edgar Martineau and Company, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the hooks and plates of hook hinges." <i>Letters Patent sealed.</i>

- CASTLE.
2nd February 1864. 276. WILLIAM HENRY BALDWIN CASTLE, of Portsmouth, in the County of Southampton, for an invention for—"A new or improved composition for coating and insulating metals, wood, cork, and other materials."
Provisional protection only.
- BROOMAN.
2nd February 1864. 277. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of glass."—*A communication to him from abroad by Mathias André Pelletier, of Rive de Gier, France.*
Provisional protection only.
- GENGEMBRE.
2nd February 1864. 278. PHILIPPE WILLIAM GENGEMBRE, of Boston, in the State of Massachusetts, of the United States of America, for an invention for—"An improvement in buttons and in fastenings therefor."
Letters Patent sealed.
- FERGUSON.
2nd February 1864. 279. SAMUEL FERGUSON, junior, of Paris, 40, Rue des Jeuneurs, Lace Manufacturer, for an invention for—"Improvements in machine or imitation lace."
Letters Patent sealed.
- HAWKINS.
HAWKINS.
2nd February 1864. 280. JOHN HAWKINS, of Walsall, in the County of Stafford, Manufacturer, and CHARLES HAWKINS, of Selly Oak, in the County of Worcester, Engineer, for an invention for—"Improvements in the manufacture of gas for illumination and other purposes, and in apparatus connected with the same."
Letters Patent sealed.
- HAMMOND.
KEMP.
2nd February 1864. 281. GEORGE HAMMOND, Watch Maker, of the City of Manchester, and JAMES WILLIAM KEMP, Manufacturing Chemist, of Salford, both in the County of Lancaster, for an invention for—"Improvements in the manufacture of illuminating gas and in apparatus to be employed therein."
Letters Patent sealed.
- CHILDS.
2nd February 1864. 282. AUGUSTUS BRYANT CHILDS, of No. 481, Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in lifting jacks."—*A communication to him from abroad by Lemuel Dow Owen, of Chicago, in the State of Illinois, in the United States of America.*
Letters Patent sealed.
- BEANES.
3rd February 1864. 283. EDWARD BEANES, of No. 24, Argyll Street, in the County of Middlesex, for an invention for—"Improvements in preparing or treating animal charcoal."
Letters Patent sealed.
- BROWN, J.
WILLIAMS.
3rd February 1864. 284. JOHN WEIR DRAPER BROWN, of Moorgate Street, in the City of London, Surgeon, and JOSEPH WILLIAMS, of the same place, Merchant, for an invention for—"Improvements in gas burners especially applicable to railway lamps and lanterns."
Provisional protection only.
- SMITH.
3rd February 1864. 285. JOHN SMITH, of Kentish Town, in the County of Middlesex, Engineer, for an invention for—"Improved arrangements for rendering doors and windows watertight, especially applicable to what are known as French casement windows."
Provisional protection only.
- WATSON.
WATSON.
3rd February 1864. 286. WILLIAM WATSON, and WILLIAM HENRY WATSON, both of Leeds, and of Harrowgate, in the County of York, Manufacturing Chemists, for an invention for—"Improvements in the manufacture of blue color for dyeing and other purposes."
Provisional protection only.
- WEBB.
3rd February 1864. 287. FRANCIS WILLIAM WEBB, of Crewe, in the County of Chester, Engineer, for an invention for—"Improvements in tools or machinery for cutting or shaping metals and other materials."
Letters Patent sealed.
- BEAMS.
3rd February 1864. 288. THOMAS BEAMS of Chapel Row, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of valve gearing to steam-engines."
Provisional protection only.
- WALKER.
3rd February 1864. 289. ALEXANDER JAMES WALKER, of the City and State of New York, United States of America, for an invention for—"An improved clothes hanging apparatus."
Letters Patent sealed.
- DURRANT.
3rd February 1864. 290. JAMES DURRANT, of Granville Terrace, Lewisham, in the County of Kent, Engineer, for an invention for—"Improvements in egg boiling apparatus."
Provisional protection only.
- GARDNER.
4th February 1864. 291. HENRY GARDNER, of 15, Cranbourn Street, Brighton, in the County of Sussex, Working Jeweller, for an invention for—"Improved arrangements for writing or marking instruments."
Provisional protection only.

DRAYSON. 4th February 1864.	292. HENRY EDWIN DRAYSON, of Southampton, in the County of Hampshire, Gunpowder Manufacturer, for an invention for—"An improvement in the manufacture of gunpowder." <i>Letters Patent sealed.</i>
KEY. 4th February 1864.	293. GILBERT TROWARD KEY, of Portsmouth, in the County of Hants, Lieutenant in the Royal Navy, for an invention for—"An improvement in percussion caps, in lubricating wads, and in tubes for ordnance." <i>Provisional protection only.</i>
HOLLOWAY. 4th February 1864.	294. GEORGE HENRY HOLLOWAY, of Manchester Square, in the County of Middlesex, Merchant, for an invention for—"Improvements in blocks or surfaces for printing from."— <i>A communication to him from abroad by Noah Pomeroy, of Bristol, Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 4th February 1864.	295. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new or improved stenographic apparatus."— <i>A communication to him from abroad by Joseph Edouard Adolphe Léon Danel-Duplan, of Auberive, France.</i> <i>Provisional protection only.</i>
EDWARDS. 4th February 1864.	296. ISAAC EDWARDS, of Piccadilly, Hanley, in the County of Stafford, Agent, for an invention for—"Improvements in saddles for supporting articles of earthenware and china during the process of firing in glazing kilns or ovens." <i>Provisional protection only.</i>
NEWTON. 4th February 1864.	297. THOMAS NEWTON, of the City of Manchester, in the County of Lancaster, Gun and Rifle Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
DAVIES. 4th February 1864.	298. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improved apparatus for facilitating aërostation."— <i>A communication to him from abroad by Ferdinand Charles Honoré Philippe d'Esterno, of Paris, France, Gentleman.</i> <i>Letters Patent sealed.</i>
YOUNG. 4th February 1864.	299. JAMES YOUNG, of Bucklersbury, in the City of London, Gentleman, for an invention for—"Improvements in the preservation of vegetable and animal matters." <i>Letters Patent sealed.</i>
BARK. ATTWOOD. 4th February 1864.	300. SAMUEL BARK, of Smethwick, in the County of Stafford, Gas Fitter, and THOMAS ATTWOOD, also of Smethwick, aforesaid, Engineer, for an invention for—"An improved slide for gasaliers." <i>Provisional protection only.</i>
LUCIUS. 5th February 1864.	301. EUGEN LUCIUS, of Frankfort-on-the-Maine, Germany, but at present residing at Chatham Place, Blackfriars, in the City of London, Doctor of Philosophy, for an invention for—"Improvements in the separation and purification of colors." <i>Letters Patent sealed.</i>
MENNONS. 5th February 1864.	302. MARC ANTOINE FRANCOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in the construction of sewing-machines."— <i>A communication from Joseph Weatherby Bartlett, a person resident at No. 442, Broadway, New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
DICKINSON. 5th February 1864.	303. JOHN CHARLES DICKINSON, of Blackburn, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in the drying cylinders of machinery or apparatus employed for sizing and drying yarn." <i>Letters Patent sealed.</i>
COOPER. 5th February 1864.	304. JOSEPH COOPER, of Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
LEE. THOMSON. 5th February 1864.	305. JOSEPH LEE, and JAMES THOMSON, of Liverpool, in the County of Lancaster, Photographic Artists, for an invention for—"Improvements in mounting photographic and other pictures."— <i>Partly communicated to them from abroad by Malcolm Mouat, of Niagara Falls, in the State of New York, one of the United States of America, and partly their own invention.</i> <i>Letters Patent sealed.</i>
LEE. 5th February 1864.	306. JAMES LEE, of Lightcliffe, near Halifax, in the County of York, Tanner and Currier, for an invention for—"Improvements in mill-straps or driving-belts, and in the means or apparatus employed in the manufacture thereof." <i>Provisional protection only.</i>

- OWEN.
5th February 1864. 307. ROBERT OWEN, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in apparatus for filtering water and other liquids." *Letters Patent sealed.*
- BROOMAN.
5th February 1864. 308. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in breaks for railway and other wheels."—*A communication to him from abroad by Alfred Charles Fleury, of Paris, France.* *Letters Patent sealed.*
- BROOMAN.
5th February 1864. 309. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of bonnets, caps and hats."—*A communication to him from abroad by Jean Gaspard Placide Meyer of Paris, France.* *Letters Patent sealed.*
- LILLIE.
5th February 1864. 310. SIR JOHN SCOTT LILLIE, Knight and Companion of the Most Honorable Military Order of the Bath, late Lieutenant Colonel of the Grenadier Guards and Major General in the Portuguese service, of 104, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in apparatus for propulsion by atmospheric pressure." *Letters Patent sealed.*
- GURNEY.
5th February 1864. 311. HENRY GURNEY, of No. 1, Red Lion Street, Holborn, in the County of Middlesex, for an invention for—"Improvements in fire guards for preventing ladies' dresses from coming in contact with the fire, also applicable to other useful purposes." *Provisional protection only.*
- RUNKEL.
6th February 1864. 312. MARK RUNKEL, of Centre Street, New York, United States of America, and at present residing at No. 54, Regent Street, Quadrant, in the County of Middlesex, Engineer, for an invention for—"Improvements in engines." *Letters Patent sealed.*
- LUPTON.
WHITTAKER.
WHITTAKER.
HARTLEY.
6th February 1864. 313. BENJAMIN LUPTON, SEPTIMUS WHITTAKER, JOHN WHITTAKER, and ELIJAH HARTLEY, all of Burnley, in the County of Lancaster, Engineers, for an invention for—"Improvements in steam-engines." *Provisional protection only.*
- ECCLES.
6th February 1864. 314. THOMAS ECCLES, of Edenfield, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in windmills." *Provisional protection only.*
- TAYLOR.
MOLINEAUX.
HARRISON.
6th February 1864. 315. WILLIAM TAYLOR, of Shiffnall, Iron Master, WILLIAM MOLINEAUX, of Hollinswood, Pudler, and HENRY HARRISON, also of Hollinswood, Manager, all in the County of Salop, for an invention for—"Improvements in puddling furnaces for the manufacture of iron." *Letters Patent sealed.*
- McLAINE.
6th February 1864. 316. ALEXANDER McLAINE, of Belfast, in the County of Antrim, Shipbuilder, for an invention for—"Improvements in the construction and equipment of vessels of war, parts of which improvements are applicable to other vessels." *Letters Patent sealed.*
- KAYE.
6th February 1864. 317. JOSEPH KAYE, of Kirkstall, in the Parish of Leeds, in the County of York, for an invention for—"Improvements in the manufacture of oil cans for lubricating purposes." *Provisional protection only.*
- BOUSFIELD.
6th February 1864. 318. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"A new and useful improvement in feathering paddle wheels."—*A communication to him from abroad by William Robinson Manley, a person resident at the City of New York, in the United States of America.* *Complete specification; Letters Patent sealed.*
- MATHER.
6th February 1864. 319. COLIN MATHER, Machinist, of the Salford Iron Works, Manchester, in the County of Lancaster, for an invention for—"Improvements in maundrills for printing rollers." *Letters Patent sealed.*
- SINIBALDI.
6th February 1864. 320. MARIE CELESTE DE CASTERAS SINIBALDI, of No. 1, South Villas, South Street, Greenwich, in the County of Kent, for an invention for—"Improvements in the manufacture of plates, tubes, cylinders and other articles, and for covering or coating the same with copper, brass or other metals." *Letters Patent sealed.*

FLETCHER. 6th February 1864.	321. HENRY ALLASON FLETCHER, of Millgrove, near Whitehaven, in the County of Cumberland, Engineer, for an invention for—"Improvements in locomotive engines and tenders and in the working of the same, parts of which improvements are also applicable to railway carriages and waggons." <i>Letters Patent sealed.</i>
TAYLOR. 6th February 1864.	322. WILLIAM ROWLAND TAYLOR, of the Swan Brewery, in the City of Oxford, Gentleman, for an invention for—"Improvements in brewing utensils." <i>Provisional protection only.</i>
MULLONEY. JOHNSON. 6th February 1864.	323. SAMUEL WHITEHALL MULLONEY, and GEORGE JOHNSON, of Coventry, in the County of Warwick, Manufacturers, for an invention for—"An improvement or improvements in the manufacture of frillings or ruffles." <i>Provisional protection only.</i>
OAKLEY. 6th February 1864.	324. JOHN THOMAS OAKLEY, of Grange Road, Bermondsey, in the County of Surrey, Engineer and Millwright, for an invention for—"Improvements in vertical steam-boilers or generators and the furnaces thereof." <i>Letters Patent sealed.</i>
NAPIER. 8th February 1864.	325. RICHARD HENRY NAPIER, of Her Majesty's Ship Duke of Wellington, Lieutenant in the Royal Navy, and of No. 36, Southampton Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the construction of screw steamers for naval warfare." <i>Letters Patent sealed.</i>
SNOWDON. 8th February 1864.	326. THOMAS SNOWDON, of Stockton on Tees, in the County of Durham, Engineer, for an invention for—"Improvements in steam-engine cylinders." <i>Letters Patent sealed.</i>
PIDGEEON. MANWARING. 8th February 1864.	327. DANIEL PIDGEEON, of the Britannia Works, Banbury, Agricultural Engineer, and WILLIAM MANWARING, of the same place, Engineer, for an invention for—"Improvements in reaping and mowing machines." <i>Provisional protection only.</i>
McHAFFIE. 8th February 1864.	328. NEIL McHAFFIE, of Broad Street, Mile End, Glasgow, Ironfounder, for an invention for—"Improvements in the manufacture of cast wheels." <i>Letters Patent sealed.</i>
LAURENT. CASTHELAZ. 8th February 1864.	329. FRANCOIS ALEXANDRE LAURENT, and JOHN CASTHELAZ, of No. 19, Rue Ste. Croix de la Bretonnerie, Paris, Chemists, for an invention for—"Improvements in manufacturing violet colouring matters." <i>Provisional protection only.</i>
BROWN. 8th February 1864.	330. ALFRED GARDINER BROWN, of William Street, Woolwich, Kent, for an invention for—"Registering the quantity of air expired from the lungs during respiration forced or natural." <i>Provisional protection NOT granted.</i>
WELCH. 8th February 1864.	331. EDWARD WELCH, of Wood Green, Tottenham, in the County of Middlesex, Tobacco Manufacturer, for an invention for—"Improvements in tobacco cutting machines." <i>Letters Patent sealed.</i>
WEBSTER. 8th February 1864.	332. JAMES WEBSTER, of Lee Crescent, Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the preparation of paints or varnishes." <i>Letters Patent sealed.</i>
EASTON. LEIGH. 8th February 1864.	333. JAMES EASTON, junior, of the Grove, Southwark, Engineer, and THOMAS LEIGH, of Cheshunt, in the County of Hertford, Engineer, for an invention for—"Improved machinery for manufacturing paper." <i>Letters Patent sealed.</i>
DE STAINS. ROGERS. 8th February 1864.	334. VICTOR DE STAINS, of Prospect House, Upper Street, Islington, in the Parish of Saint Mary's, and County of Middlesex, and THOMAS ROGERS, of No. 5, Mackenzie Street, Everton, Liverpool, in the County of Lancaster, for an invention for—"Improvements in machinery for sewing and stitching." <i>Letters Patent sealed.</i>
SALT. 9th February 1864.	335. JOHN CLUTTON BLAIR SALT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in protecting iron ships and vessels from corrosion." <i>Letters Patent sealed.</i>
SMITH. 9th February 1864.	336. JOHN SMITH, of Bradford, in the County of York, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus for combing cotton, flax or other fibrous substances." <i>Letters Patent sealed.</i>
CUNNACK. 9th February 1864.	337. RICHARD JOHN CUNNACK, of Helston, in the County of Cornwall, for an invention for—"Improvements in the manufacture of cartridges for blasting and projectile purposes." <i>Letters Patent sealed.</i>

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| <p>STOBART.
9th February 1864.</p> <p>TOUSSAINT.
9th February 1864.</p> <p>CLARK.
9th February 1864.</p> <p>TODD.
9th February 1864.</p> <p>PERKINS.
9th February 1864.</p> <p>WEBB.
9th February 1864.</p> <p>CRESSEY.
9th February 1864.</p> <p>JOHNSON.
9th February 1864.</p> <p>SPENCE.
9th February 1864.</p> <p>NEWTON.
9th February 1864.</p> <p>NEWTON.
9th February 1864.</p> <p>BORGATTA.
10th February 1864.</p> <p>CARNELLEY.
10th February 1864.</p> <p>SINIBALDI.
10th February 1864.</p> <p>MIDDLETON.
10th February 1864.</p> | <p>338. WILLIAM CULLEY STOBART, of Etherley, in the County of Durham, Coal Owner, for an invention for—"Improvements in coke ovens."
<i>Letters Patent sealed.</i></p> <p>339. JOSEPH TOUSSAINT, of Camden Town, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cement and artificial stone."
<i>Provisional protection only.</i></p> <p>340. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for inhaling air when charged with vapours."—<i>A communication to him from abroad by Charles Pierre Baillemont, Gentleman, of 29, Boulevard St. Martin, Paris.</i>
<i>Provisional protection only.</i></p> <p>341. BRERETON TODD, of Stratton Villa, Falmouth, in the County of Cornwall, Gentleman, for an invention for—"Improvements in compositions to be used to prevent the oxidation of iron, the fouling of ships' bottoms and other submerged things, and also for preserving wood from decay and worms." <i>Letters Patent sealed.</i></p> <p>342. ANGIER MARCH PERKINS, of Francis Street, Regent Square, in the County of Middlesex, for an invention for—"Improvements in warming rooms and buildings."
<i>Letters Patent sealed.</i></p> <p>343. FRANCIS WILLIAM WEBB, of Monks Coppenhall, Crewe, in the County of Chester, Engineer, for an invention for—"Improvements in the manufacture of railway rails."
<i>Letters Patent sealed.</i></p> <p>344. THOMAS STOKES CRESSEY, of Burton-on-Trent, for an invention for—"Improvements in apparatus for screening barley and other grain."
<i>Letters Patent sealed.</i></p> <p>345. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in motive-power engines."—<i>A communication to him from abroad by Eugène Desrousseaux-Hubert, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>346. PETER SPENCE, of Newton Heath, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of sulphocyanide of ammonium and other sulpho-cyanides."
<i>Letters Patent sealed.</i></p> <p>347. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in securing tubes in the tube sheets of steam-boilers, condensers and other similar apparatus."—<i>A communication to him from abroad by James Howell and David Birdsell, both of Jersey City, Hudson County, New Jersey State, United States of America.</i>
<i>Provisional protection only.</i></p> <p>348. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in obtaining and transmitting power."—<i>A communication to him from abroad by James Joseph Gorman, of Cincinnati, Hamilton County, Ohio State, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>349. JEAN BAPTISTE BORGATTA, Mechanician, of Genoa, in the Kingdom of Italy, and actually residing at 29, Boulevard St. Martin, Paris, for an invention for—"A motion lever of the second order and the mechanical applications thereof."
<i>Complete specification; Letters Patent sealed.</i></p> <p>350. WILLIAM CARNELLEY, of Manchester, in the County of Lancaster, Warehouseman, for an invention for—"Certain improvements in the manufacture of looped and 'cut pile' fabrics."
<i>Provisional protection only.</i></p> <p>351. MARIE CELESTE DE CASTERAS SINIBALDI, of No. 1, South Villas, South Street, Greenwich, in the County of Kent, for an invention for—"Improvements in coating with copper, brass or other metals, the surfaces of ships and other structures of iron or steel."
<i>Letters Patent sealed.</i></p> <p>352. SAMUEL MIDDLETON, of Shoemaker Row, in the City of London, Mechanic, for an invention for—"Improved methods of deadening the noise produced by engines and carriages in passing along railway bridges and viaducts."
<i>Provisional protection only.</i></p> |
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CUNNINGHAM. 10th February 1864.	353. HENRY DUNCAN PRESTON CUNNINGHAM, of Bury, near Gosport, County of Hants, for an invention for—"Improvements in the fittings of gun carriages and methods for working guns." <i>Provisional protection only.</i>
HAWTHORN. 10th February 1864.	354. WILLIAM HAWTHORN, of the Borough and County of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in joints for pipes, tubes and hollow vessels." <i>Letters Patent sealed.</i>
LEE. 11th February 1864.	355. THOMAS VINCENT LEE, late of 6, Bank Chambers, Lothbury, in the City of London, but now of Macclesfield, in the County of Chester, Civil Engineer, for an invention for—"Improvements in the construction of kilns or retorts for coking, and for apparatus connected therewith for collecting the products of distillation, through the agency of hydro-caloric or superheated steam, these appliances being applicable to making wood charcoal and collecting pyroligneous acid during the process." <i>Provisional protection only.</i>
SMITH. 11th February 1864.	356. ROBERT SMITH, of the firm of Messieurs William Smith and Brothers, of Heywood, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in machiney or apparatus for forging or shaping cranks on bars of metal." <i>Letters Patent sealed.</i>
FAGET. 11th February 1864.	357. JEAN MARIUS FAGET, Architect Engineer, of Bordeaux (4, Orleans Street), in the Department of Gironde, in the Empire of France, for an invention for—"Improved apparatus for taking up the emanations and the gases from boilers." <i>Letters Patent sealed.</i>
DAVIES. 11th February 1864.	358. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of sulphuric acid."— <i>A communication to him from abroad by John Smith and John Richard Savage, both of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
JOHNSON. 11th February 1864.	359. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for measuring, raising and forcing liquids."— <i>A communication to him from abroad by Wilhelm Heinrich Christian Voss, of Berlin, in the Kingdom of Prussia, Engineer.</i> <i>Letters Patent sealed.</i>
JOHNSON. 11th February 1864.	360. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of superphosphates to be employed in the making of bread and in other purposes in the arts."— <i>A communication to him from abroad by Anthony Pollak, of Washington, D.C., in the United States of America.</i> <i>Letters Patent sealed.</i>
DENNY. DENNY. 11th February 1864.	361. ABRAHAM DENNY, and EDWARD MAYNARD DENNY, both of Waterford, Ireland, Merchants, for an invention for—"Improvements in the manufacture of bacon and in apparatus connected therewith." <i>Letters Patent sealed.</i>
KEATS. CLARK. 11th February 1864.	362. JOHN KEATS, Shoemaker, and WILLIAM STEPHENS CLARK, Shoe Manufacturer, both of Street, in the County of Somerset, for an invention for—"Improvements in the manufacture of boots and shoes, and in apparatus to be employed in such manufacture." <i>Provisional protection only.</i>
FONTAINEMOREAU. 11th February 1864.	363. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in photographic apparatus."— <i>A communication from Messieurs Alphonse Liebert and Jean Lafon-Saint-Cyr, person resident at Paris.</i> <i>Letters Patent sealed.</i>
SLACK. 11th February 1864.	364. JAMES SLACK, of Manchester, in the County of Lancaster, Water Filter Manufacturer, for an invention for—"Improvements in filters and filtering media for filtering marine and other water or condensed steam, and the application of the said filters and filtering media to marine engine and other condensers." <i>Provisional protection only.</i>
DIMOCK. 12th February 1864.	365. IRA DIMOCK, of Florence, Hampshire County, in the State of Massachusetts, and United States of North America, temporarily residing at the City of Manchester, for an invention for—"Improvements in machinery for combing cotton and other fibrous materials." <i>Letters Patent sealed.</i>

- DAVID.
12th February 1864. 366. JOHN DAVID, of 3, Vernon Place, Bloomsbury Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in threshing machines." *Provisional protection only.*
- WETHERELL.
12th February 1864. 367. JOHN WILLIAM WETHERELL, of Highgate, in the County of Middlesex, Gentleman, for an invention for—"Improvements in pulleys and riggers, and in applying the same to shafts or axes." *Provisional protection only.*
- WHITE.
12th February 1864. 368. THOMAS WHITE, of Prospect Terrace, Leeds, in the County of York, Engineer and Mechanical Draughtsman, for an invention for—"Improved machinery for uniting the soles and uppers of boots, shoes and similar coverings for the feet, applicable also for uniting hose pipes, harness, mill straps and other like purposes." *Letters Patent sealed.*
- HENDERSON.
CHILD.
DUNCAN.
12th February 1864. 369. JAMES HENDERSON, of 44, Great Russell Street, Bloomsbury, in the County of Middlesex, Gentleman, SYDNEY CLULOW CHILD, of the Grove, Clapham, in the County of Surrey, Gentleman, and WILLIAM LUNDI DUNCAN, of 26, Hunter Street, Brunswick Square, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rails for railways and tramways, and the mode of connecting the same." *Letters Patent sealed.*
- WINSTANLEY.
KELLY.
12th February 1864. 370. WILLIAM WINSTANLEY, and JOSEPH KELLY, of the Town of Liverpool, in the County of Lancaster, Engineers, for an invention for—"Improvements in steam apparatus for ships' use, part of which improvements is applicable to other purposes." *Letters Patent sealed.*
- GEDGE.
12th February 1864. 371. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved fire-arm and projectile."—*A communication to him from abroad by Eugène Moreau, of 39, Faubourg Saint Martin, Paris, France.* *Letters Patent sealed.*
- DRAKE.
12th February 1864. 372. WILLIAM DRAKE, of Sheffield, in the County of York, Coal Owner, for an invention for—"Improvements in the manufacture of iron." *Letters Patent sealed.*
- HICKS.
12th February 1864. 373. JAMES HICKS, of Hatton Garden, in the County of Middlesex, Meteorological Instrument Maker, for an invention for—"An improvement in barometers." *Provisional protection only.*
- SOUTHAM.
12th February 1864. 374. WILLIAM SOUTHAM, of Crystal Crescent, Upper Sydenham, in the County of Kent, Gentleman, for an invention for—"Improved apparatus for drying grain." *Provisional protection only.*
- BURTON.
12th February 1864. 375. FREDERICK WILLIAM BURTON, of 20, Somerset Place, New North Road, in the County of Middlesex, Ornamentist, for an invention for—"Improved article of furniture, parts of which are also applicable to other articles of furniture." *Letters Patent sealed.*
- RIDDLE.
12th February 1864. 376. WILLIAM RIDDLE, of Mawbey Place, South Lambeth, in the County of Surrey, for an invention for—"Improvements in fire-proof buildings, part of which improvements are applicable to other structures." *Letters Patent sealed.*
- SMITH.
LISTER.
12th February 1864. 377. THOMAS SMITH, and THOMAS LISTER, of Hippenholme, near Halifax, in the County of York, for an invention for—"Improvements in machinery for transmitting power." *Letters Patent sealed.*
- NORTON.
12th February 1864. 378. WALTER NORTON, of Clayton West, Huddersfield, for an invention for—"Improvements in power looms." *Provisional protection only.*
- BEDFORD.
13th February 1864. 379. JOSEPH BEDFORD, of Radcliffe, in the County of Lancaster, Pattern Designer, for an invention for—"Certain improvements in locks or similar fastenings." *Letters Patent sealed.*
- JACKSON.
13th February 1864. 380. THEOPHILUS JACKSON, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in braiding machines."—*A communication to him from abroad by Thomas James Sloan, of Paris, in the Empire of France, Engineer.* *Letters Patent sealed.*

FINCH. 13th February 1864.	381. GERARD FINCH, of 28, Clarendon Gardens, Maida Hill, in the County of Middlesex, for an invention for—"An improvement in the mode of applying steam or other fluid pressure, acting on a piston, to produce circular motion." <i>Provisional protection only.</i>
WHITELEY. 13th February 1864.	382. WILLIAM WHITELEY, of Lockwood, near Huddersfield, in the County of York, Machine Maker, for an invention for—"Improvements in machinery or apparatus for tentering or stretching woollen and other fabrics." <i>Letters Patent sealed.</i>
KRUTZSCH. 13th February 1864.	383. WILLIAM KRUTZSCH, of Scarborough Street, Goodmans Fields, E., for an invention for—"Improvements in machines for punching, shearing, rivetting, stamping and pressing and otherwise operating upon or working metals and other materials or substances." <i>Provisional protection only.</i>
ANDERTON. 13th February 1864.	384. WILLIAM ANDERTON, of Cleckheaton, near Leeds, in the County of York, Worsted Spinner, for an invention for—"Improved machinery for preparing, spinning and doubling cotton, worsted, silk and other fibrous materials." <i>Provisional protection only.</i>
DENCE. 15th February 1864.	385. JOHN DENCE, of New Weston Street, Bermondsey, in the County of Surrey, Engineer, for an invention for—"An improved combined water-closet and urinal." <i>Provisional protection only.</i>
STEINMETZ. 15th February 1864.	386. ANDREW STEINMETZ, Barrister-at-Law, Leicester, Leicestershire, for an invention for—"Improving and intensifying the light of horizontal gas-burners, and furnishing the same with globes." <i>Letters Patent sealed.</i>
FONTAINEMOREAU. 15th February 1864.	387. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in the manufacture of methylic ether and its application to the production of artificial ice."— <i>A communication from Charles Tellier, a person resident at Passy, near Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
HASELTINE. 15th February 1864.	388. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved bridge."— <i>A communication to him from abroad by George H. Bruce and Samuel S. Shinn, both of Lancaster, Erie County, New York, United States.</i> <i>Provisional protection not granted.</i>
BOHN. 15th February 1864.	389. GEORGE BOHN, of Victoria Street, in the City of Westminster, Civil Engineer, for an invention for—"An improvement in cowls for chimnies and shafts." <i>Letters Patent sealed.</i>
WOOD. 15th February 1864.	390. HENRY WALKER WOOD, of Blackweir, in the County of Glamorgan, Gentleman, for an invention for—"Improvements in cylinders exposed to the direct action of fire and employed in the manufacture of artificial fuel, and in heating and drying other substances." <i>Letters Patent sealed.</i>
HUNTINGTON. 15th February 1864.	391. JAMES HUNTINGTON, of Queen's Road Works, Holloway, in the County of Middlesex, Surface Roller Maker, for an invention for—"Improvements in the construction of printing rollers." <i>Letters Patent sealed.</i>
HENSMAN. 15th February 1864.	392. WILLIAM HENSMAN, of Woburn, in the County of Bedford, Agricultural Implement Maker, for an invention for—"Improvements in apparatus used for cultivating land." <i>Provisional protection only.</i>
DARBY. 15th February 1864.	393. STEPHEN DARBY, of No. 140, Leadenhall Street, in the City of London, Chemist, for an invention for—"Improvements in the manufacture of dough and bread." <i>Provisional protection only.</i>
ANDREWS. ANDREWS. 16th February 1864.	394. HUGH ANDREWS, and JOHN ANDREWS, both of Thurlow Lodge, Penge, in the County of Surrey, for an invention for—"An improved mode of attaching buttons to garments and other articles to which buttons may be applied." <i>Provisional protection only.</i>
FULLER. 16th February 1864.	395. WILLIAM COLES FULLER, of No. 1, Ironmonger Lane, Cheapside, London, Middlesex, for an invention for—"Improvements in the method of rendering doors and windows water-tight, especially applicable to the port holes and other openings on board ships and vessels." <i>Letters Patent sealed.</i>

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| <p>TUCHET.
16th February 1864.</p> <p>PIGOT.
16th February 1864.</p> <p>CLARK.
16th February 1864.</p> <p>HOFFMANN.
16th February 1864.</p> <p>JOYCE.
16th February 1864.</p> <p>DEAVIN.
DEAVIN.
SUTTON.
16th February 1864.</p> <p>LLOYD.
17th February 1864.</p> <p>WADSWORTH,
17th February 1864.</p> <p>TESTUZ.
17th February 1864.</p> <p>HOBBS.
17th February 1864.</p> <p>MOORE.
17th February 1864.</p> <p>JOWETT.
17th February 1864.</p> <p>NEWMANE.
17th February 1864.</p> <p>AISTHORPE.
17th February 1864.</p> <p>WEEKS.
17th February 1864.</p> <p>COLES.
17th February 1864.</p> | <p>396. The Honourable JANE ELIZABETH TUCHET, of Liverpool Street, Dover, in the County of Kent, Spinster, for an invention for—"Improvements in apparatus for cleaning windows."
<i>Provisional protection only.</i></p> <p>397. RICHARD ST. LEGER PIGOT, of Charles Street, Berkeley Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech and muzzle loading cannon, guns and other fire-arms, and in projectiles to be used therewith."
<i>Provisional protection only.</i></p> <p>398. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the permanent way of railways."—<i>A communication to him from abroad by Charles Jules Pierre Desnos Gardissal, Civil Engineer, of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> <p>399. FREDERICK CHARLES PHILLIP HOFFMANN, of Wilmington Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in machines for crushing hard substances, for washing ores and minerals, and for separating earth and earthy matter from solid substances."
<i>Letters Patent sealed.</i></p> <p>400. ARTHUR JOHN JOYCE, of Gower Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in steam-engines."
<i>Provisional protection only.</i></p> <p>401. JOHN DEAVIN, MARTIN DEAVIN, and JOHN HENRY SUTTON, all of Rotherhithe, in the County of Surrey, Engineers, for an invention for—"An improved method of obtaining oscillating or swinging motion in swings, cradles, cots and other like articles."
<i>Letters Patent sealed.</i></p> <p>402. JOHN ALEXANDER LLOYD, of Little Bush Lane, in the City of London, Packing Case Manufacturer, for an invention for—"Improvements in cases for packing."
<i>Letters Patent sealed.</i></p> <p>403. JAMES WADSWORTH, of Heaton Norris, in the County of Lancaster, Machinist, for an invention for—"Improvements in the methods of softening or dissolving bone, horn, hair, leather, curriers' shavings, raw hide scraps, wool, woollen rags or other animal matters."
<i>Provisional protection only.</i></p> <p>404. FRANCOIS TESTUZ, of Villette, Canton de Vaud, Switzerland, but temporarily of 4, South Street, Finsbury, London, Watch Maker, for an invention for—"An improved brake applicable to locomotives, railway and other vehicles."
<i>Letters Patent sealed.</i></p> <p>405. WILLIAM HOBBS, of No. 4, Pancras Lane, in the City of London, Shop Fitter, for an invention for—"A new or improved railway signal."
<i>Provisional protection only.</i></p> <p>406. EDWARD MOORE, of Tewkesbury, in the County of Gloucester, for an invention for—"Improvements in the manufacture of surgical bandages."
<i>Letters Patent sealed.</i></p> <p>407. HENRY ALFRED JOWETT, of Sawley, in the County of Derby, Civil Engineer, for an invention for—"Improvements in securing or fixing rails for the construction of the permanent way of railways."
<i>Letters Patent sealed.</i></p> <p>408. HENRI NEWMANE, Gentleman, of Hortulan Villa, Shrewsbury, in the County of Salop, for an invention for—"A new medicinal compound pill for diseases of the liver."
<i>Letters Patent sealed.</i></p> <p>409. JOHN AISTHORPE, of Lee Terrace, Roman Road, Old Ford, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in the construction of ordnance and fire-arms, and in projectiles to be used therewith."
<i>Provisional protection only.</i></p> <p>410. JOHN WEEKS, of Baker Street, in the County of Middlesex, Manufacturer of Umbrellas and Parasols, for an invention for—"An improvement in parasols and other like articles."
<i>Provisional protection only.</i></p> <p>411. COWPER PHIPPS COLES, of Southsea, in the County of Hants, Captain in the Royal Navy, for an invention for—"A new apparatus to be employed in fastenings for armour plates on ships, and in other like fastenings where bolts and nuts are used."
<i>Provisional protection only.</i></p> |
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HAWKINS. 17th February 1864.	412. WILLIAM HAWKINS, of No. 5, Red Lion Street, Clerkenwell Green, in the County of Middlesex, for an invention for—"Improvements in pumps of hydraulic presses." <i>Provisional protection only.</i>
HORNSBY. BONNALL. ASTBURY. 17th February 1864.	413. RICHARD HORNSBY, JOHN BONNALL, and WILLIAM ASTBURY, all of Spittlegate Iron Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in agricultural implements and in engines suitable for hauling the same and for other uses." <i>Letters Patent sealed.</i>
SCOTT. 17th February 1864.	414. HENRY YOUNG DARRACOTT SCOTT, of Chatham, in the County of Kent, Lieutenant Colonel in the Royal Engineers, for an invention for—"Improvements in the manufacture of cement." <i>Letters Patent sealed.</i>
HOFMANN. 18th February 1864.	415. JULES ROBERT HOFMANN, of 10, Cranbourn Street, Leicester Square, in the County of Middlesex, Gentleman, for an invention for—"Improved apparatus to release instantly any vehicle when the horses run away." <i>Provisional protection only.</i>
FIELD. 18th February 1864.	416. CHARLES FIELD, of No. 12, Talbot Terrace, Clarendon Road, Notting Hill, in the County of Middlesex, Stay Maker, for an invention for—"An improved method of manufacturing ladies' stays." <i>Letters Patent sealed.</i>
WATTEEU. 18th February 1864.	417. EMILE WATTEEU, of the Vulcan Works, Middlesborough on Tees, in the County of York, Engineer, for an invention for—"Improvements in machinery for making railway spikes, rivets, bolt-blanks and other similar articles."— <i>A communication to him from abroad by Charles Ryan, of Hamilton, Canada West.</i> <i>Provisional protection only.</i>
NAUDIN. 18th February 1864.	418. LAURENT STANISLAS NAUDIN, of 27, Rue de la Savonnerie, Rouen, in the Empire of France, Scale Manufacturer, for an invention for—"Improvements in the preparation and composition of a substance for soldering silver or other metals." <i>Provisional protection only.</i>
TRAVIS. 18th February 1864.	419. JOHN TRAVIS, of Luzley Brook, in the Township of Royton, in the County of Lancaster, Gentleman, for an invention for—"An improved method of preventing and curing corrosion and preserving the metal in steam-boilers, steam generators and fuel economizers." <i>Letters Patent sealed.</i>
RANSOME. RANSOME. RANSOME. 18th February 1864.	420. ROBERT CHARLES RANSOME, ROBERT JAMES RANSOME, and JAMES EDWARD RANSOME, all of Ipswich, in the County of Suffolk, for an invention for—"Improvements in the manufacture of beams, mould boards and shares of ploughs." <i>Letters Patent sealed.</i>
APPLEGATH. 18th February 1864.	421. AUGUSTUS APPLEGATH, of Dartford, in the County of Kent, for an invention for—"Improvements in printing machines." <i>Provisional protection only.</i>
HAROLD. 18th February 1864.	422. JAMES WRIGHT HAROLD, of No. 5, Albion Place, Upper Kennington Lane, Vauxhall, in the County of Surrey, for an invention for—"Improvements in apparatus for stretching or altering hats." <i>Provisional protection only.</i>
HICKLING. 18th February 1864.	423. WILLIAM HICKLING, of the Town and County of the Town of Nottingham, Lace Maker, for an invention for—"Improvements in bobbin net and twist lace machines." <i>Letters Patent sealed; no specification filed.</i>
DE TRÉGOMAIN. 18th February 1864.	424. FRANÇOIS MARIE AUBERT DE TRÉGOMAIN, of 29, Boulevard St. Martin, Paris, and Stamford Street, in the County of Surrey, Gentleman, for an invention for—"Improvements in rendering fire wood and other materials more combustible and also impervious to air and moisture." <i>Provisional protection only.</i>
BUTTERWORTH. 18th February 1864.	425. ELLIS BUTTERWORTH, of Calder Cottage, near Rochdale, in the County of Lancaster, Machinist, for an invention for—"Improvements in gins for ginning cotton." <i>Letters Patent sealed.</i>
JUDE. 18th February 1864.	426. JOHN BEAL JUDE, of Watlingtonbury, near Maidstone, in the County of Kent, Brewer, for an invention for—"Improvements in cask cleansing machines or apparatus." <i>Letters Patent sealed.</i>
BROWNE. 18th February 1864.	427. JAMES WALTER BROWNE, of the City and State of New York, United States of America, for an invention for—"Improved means for excluding dust, wind and moisture from windows, doors and other parts of buildings." <i>Provisional protection only.</i>

- SYMINGTON.**
18th February 1864. 428. ROBERT STEVENSON SYMINGTON, of No. 16, Ashton Terrace, Glasgow, Lanarkshire, Gentleman, for an invention for—"Improvements in apparatus for climbing and the elevation and support of weights." *Letters Patent sealed.*
- LEONARD.**
19th February 1864. 429. EDWARD JAMES LEONARD, of No. 85, Stainsby Road, in the Parish of Poplar, and County of Middlesex, Civil Engineer, and Engineer of the East and West India Docks, for an invention for—"An improved apparatus for raising, lowering or hauling weights, and for loading, discharging or steering ships and other like purposes." *Letters Patent sealed.*
- JOHNSON.**
19th February 1864. 430. GEORGE HARDESTY JOHNSON, of New York City, in the County of New York, and State of New York, in the United States of America, for an invention for—"A new method of constructing lighthouse towers, shot towers, chimneys, blast furnaces, cupola furnaces, conduits, monuments and columns, grain buildings and buildings for storing crude and refined oils." *Letters Patent sealed.*
- CHIDLEY.**
19th February 1864. 431. JOHN JAMES CHIDLEY, Gentleman, of No. 11, Glaskin Street, Hackney, London, for an invention for—"An improved method of stoppering or rendering air tight bottles and jars." *Provisional protection only.*
- ARNOLD.**
19th February 1864. 432. FREDERIC JOHN ARNOLD, of No. 3, Adams Court, Old Broad Street, in the City of London, for an invention for—"Improvements in apparatus for producing and burning combustible gases for heating and lighting purposes."—*A communication to him from abroad by Thomas Arnold, residing at New York, in the United States of America.* *Letters Patent sealed.*
- JACKSON.**
19th February 1864. 433. THEOPHILUS JACKSON, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in the manufacture of coiled or helical springs."—*A communication to him from abroad by Thomas James Sloan, of Paris, in the Empire of France, Engineer.* *Letters Patent sealed.*
- JONES.**
19th February 1864. 434. WRIGHT JONES, of Ramsay, Isle of Man, Engineer, for an invention for—"Certain improvements in governors or regulators for steam-engines." *Provisional protection only.*
- SCRIVENER.**
19th February 1864. 435. ROBERT SCRIVENER, of Hanley, in the County of Stafford, Engineer, for an invention for—"Improvements in the preparation of clay and other plastic materials used for manufacturing purposes, and in drying articles manufactured from the same." *Provisional protection only.*
- PAGE.**
19th February 1864. 436. WILLIAM CHARLES PAGE, of Millwall, Poplar, in the County of Middlesex, Engine Driver, for an invention for—"An improved composition for coating ships' bottoms." *Letters Patent sealed.*
- HALE.**
19th February 1864. 437. WILLIAM HALE, of No. 6, John Street, Adelphi, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in ordnance." *Letters Patent sealed.*
- HAWORTH.**
20th February 1864. 438. JOHN HAWORTH, of the City of Manchester, Gentleman, for an invention for—"Improvements in the construction and protection of the permanent way of railways." *Provisional protection only.*
- ALLEN.**
20th February 1864. 439. EDWARD ELLIS ALLEN, of 5, Parliament Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of locomotive and portable engines." *Letters Patent sealed.*
- GERSTENBERGER.**
22nd February 1864. 440. JOHANN GERSTENBERGER, of No. 106, Haupt Strasse, Land Strasse, Vienna, in the Empire of Austria, Civil Engineer, for an invention for—"An improved apparatus for condensing steam and utilising the heat thereof." *Provisional protection only.*
- GEDGE.**
22nd February 1864. 441. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A kind of photographic album forming a new method of publicity or photographic and commercial propagator."—*A communication to him from abroad by Jules Abelous, of No. 15, Passage des Petites Ecuries, Paris, France.* *Provisional protection NOT granted.*
- MOSLEY.**
22nd February 1864. 442. FREDERICK RICHARD MOSLEY, of Birmingham, in the County of Warwick, Manager of Works, for an invention for—"Improvements in lamps for railway and other carriages." *Letters Patent sealed.*

GAMBLE. 22nd February 1864.	443. HENRY CUTCLIFFE GAMBLE, of the Ship "John Lidgett," belonging to the Port of London, Captain, for an invention for—"Improved apparatus for the instantaneous lowering and detaching, and also for hoisting and securing ships' boats." <i>Letters Patent sealed.</i>
BROOKES. 22nd February 1864.	444. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"A new or improved metallic permanent way for railways."— <i>A communication to him from abroad by Léon Ulens, of Antwerp, in the Kingdom of Belgium, Engineer.</i> <i>Letters Patent sealed.</i>
RIGBY. 22nd February 1864.	445. JOHN RIGBY, of Suffolk Street, Dublin, Ireland, Gun Maker, for an invention for—"Improvements in the projectiles and wads of fire-arms, and in apparatus for manufacturing the same." <i>Provisional protection only.</i>
NEWTON. 22nd February 1864.	446. ALFRED VINCENT NEWTON, of the Office of Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in photography."— <i>A communication to him from abroad by George Gardinier White, of New York City, and Charles Alden, of Newburgh, both in the State of New York, United States of America.</i> <i>Provisional protection only.</i>
GEE. GOSLING. 22nd February 1864.	447. GEORGE PHILIP GEE, of No. 6, Wrights Road North, Bow, and WILLIAM HENRY GOSLING, of No. 5, Kenilworth Road, Victoria Park, both in the County of Middlesex, Machinists, for an invention for—"Improvements in machinery for sewing and stitching." <i>Letters Patent sealed.</i>
DRABBLE. 22nd February 1864.	448. JOHN DRABBLE, of Chesterfield, in the County of Derby, Lace Manufacturer, for an invention for—"Improvements in the manufacture of bobbin net made on bobbin net or twist lace machines." <i>Letters Patent sealed.</i>
OLDKNOW. WOOD. 22nd February 1864.	449. JOSEPH OLDKNOW, of the Town and County of the Town of Nottingham, Machine Builder, and JOHN WOOD, of New Radford, in the County of Nottingham, Guide and Bar Manufacturer, for an invention for—"Improvements in jacquards used with lace machines." <i>Letters Patent sealed.</i>
MAURICE. 22nd February 1864.	450. SAMUEL SOLOMON MAURICE, of Watling Street, in the City of London, Commission Agent, for an invention for—"An improvement in the manufacture of buttons, studs and other fastenings for or appendages to wearing apparel."— <i>A communication to him from abroad by Simon Hayem, aîné, of 38, Rue du Sentier, Paris, France.</i> <i>Provisional protection only.</i>
HUGHES. 23rd February 1864.	451. THOMAS JAMES HUGHES, of Albany Street, in the County of Middlesex, Builder, for an invention for—"Improvements in coating and sheathing the bottoms of ships or other vessels." <i>Letters Patent sealed.</i>
SANDERS. 23rd February 1864.	452. JOHN SANDERS, junior, of Upper Hockley Street, Birmingham, in the County of Warwick, General Gas Fitting and Chandelier Manufacturer, for an invention for—"A new or improved gas regulator for controlling or regulating the flow or pressure of gas required to be used for illuminating purposes." <i>Letters Patent sealed.</i>
HOWARD. BULLOUGH. WATSON. 23rd February 1864.	453. JOHN HOWARD, and JOHN BULLOUGH, Machine Makers, and THOMAS WATSON, Tackler, all of Accrington, in the County of Lancaster, for an invention for—"Improvements in warping or beaming machines." <i>Letters Patent sealed.</i>
COTELLE. 23rd February 1864.	454. EUGÈNE ALPHONSE COTELLE, of 29, Boulevard St. Martin, Paris, France, Distiller Chemist, for an invention for—"An apparatus for concentrating and distilling sulphuric and other acids, and all solutions in general." <i>Letters Patent sealed.</i>
HORSFALL. 23rd February 1864.	455. JOHN HENRY HORSFALL, of Headingley, near Leeds, in the County of York, Gentleman, for an invention for—"An improved water economizer to be used in connection with fish ladders." <i>Letters Patent sealed.</i>
DELANNOY. 23rd February 1864.	456. HENRI PARENT DELANNOY, Manufacturer, of Paris, in the Empire of France, for an invention for—"Improvements in power looms." <i>Provisional protection only.</i>
IZÉTABLE. IZÉTABLE. 23rd February 1864.	457. ALEXANDRE IZÉTABLE, and FERDINAND IZÉTABLE, both of Marseilles, in the Empire of France, for an invention for—"Improvements in railway breaks." <i>Provisional protection only.</i>

- ROWAN.
23rd February 1864. 458. WILLIAM ROWAN, of the firm of John Rowan and Sons, of Belfast, in the County of Antrim, Engineers, for an invention for—"Improvements in steam engines." *Letters Patent sealed.*
- TONGE.
24th February 1864. 459. RICHARD TONGE, of the City of Manchester, Manufacturer, for an invention for—"Certain improvements in looms for weaving." *Provisional protection only.*
- WALL.
24th February 1864. 460. ARTHUR WALL, of Clapton, in the County of Middlesex, Gentleman, for an invention for—"An improved combination or improved combinations of combustible materials to be used as fuel." *Letters Patent sealed.*
- BATT.
24th February 1864. 461. HENRY BATT, of 21, Charlton King's Road, in the County of Middlesex, Builder, for an invention for—"An improved clog to be applied to horse shoes as a substitute for 'roughing.'" *Letters Patent sealed.*
- DURRIEU.
24th February 1864. 462. LOUIS ADOLPHUS DURRIEU, of 33, Soho Square, in the County of Middlesex, for an invention for—"Improvements in shades for gas lights, lamps and candles, and supports for holding the same."—*A communication to him from abroad by Francois Maurel, resident at Paris, in the Empire of France.* *Letters Patent sealed.*
- JONES.
24th February 1864. 463. BENJAMIN JONES, of Warrington, in the County of Lancaster, Manufacturing Chemist, for an invention for—"An improved method of obtaining sulphur from alkali waste." *Provisional protection NOT granted.*
- RATCLIFFE.
PEARSON.
24th February 1864. 464. EDWIN RATCLIFFE, Overlooker, and JOHN PEARSON, Tin Plate Worker, both of Walsden, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of 'temples' to be employed in power-looms and for stretching woven fabrics." *Provisional protection only.*
- CLAXTON.
24th February 1864. 465. FRANCIS SORREL CLAXTON, now attached to the Imperial Foundry of Cannon at Ruelle, Departement of Charente, France, for an invention for—"An improvement in casting iron, brass or copper over or around hollow cylinders of steel, iron or other metal, using air, water, or other fluid for cooling the casting." *Provisional protection only.*
- WHITTENBURY.
WHITTENBURY, JR.
24th February 1864. 466. JAMES CALEB WHITTENBURY, and JAMES CALEB WHITTENBURY, junior, both of High Street, Poplar, in the County of Middlesex, Carpenters and Builders, for an invention for—"An improved convertible desk, church seat and table, applicable for school and church purposes." *Provisional protection only.*
- ESPLIN.
24th February 1864. 467. CHARLES ESPLIN, of No. 32, Tyre Street, Lambeth, in the County of Surrey, for an invention for—"Improvements in apparatus for regulating the flow of gas to burners." *Letters Patent sealed.*
- VAN WAGENEN.
25th February 1864. 468. WILLIAM MYER VAN WAGENEN, of Newark, New Jersey, United States, now of No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Naval Architect, for an invention for—"An improved boat-detaching apparatus." *Provisional protection only.*
- BURTON.
25th February 1864. 469. BETHEL BURTON, of the City of Brooklyn, State of New York, America, at present residing at 21, Tollington Road, N., London, for an invention for—"Improvements in breech-loading and revolving fire-arms and cannon, and metallic cartridges." *Provisional protection only.*
- ROWATT.
LIGHBODY.
25th February 1864. 470. THOMAS ROWATT, the younger, and ALEXANDER LIGHBODY, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in lamps for burning paraffin, belmontine, petroleum and other like hydrocarbon fluids." *Letters Patent sealed.*
- BUCKTON.
25th February 1864. 471. JOSHUA BUCKTON, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in multiple drilling machines, part of which improvements are also applicable to other machinery." *Provisional protection only.*
- RIVIER.
25th February 1864. 472. JEAN FRANCOIS RIVIER, of No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, Clerk, for an invention for—"An improved system for filtering and purifying liquids, with an endless spouting capillary filter." *Letters Patent sealed.*
- JULLIENNE.
DELACOMBE.
25th February 1864. 473. AUGUSTE JULLIENNE, and JACQUES ERNEST DELACOMBE, of No. 39, Faubourg St. Martin, in the City of Paris, in the Empire of France, Engineers, for an invention for—"A new or improved machine to press or mould bricks." *Letters Patent sealed.*

CARTER. 25th February 1864.	474. HENRY CARTER, of the Camberwell New Road, in the County of Surrey, in the employ of William Mather, of 14, Bath Street, Newgate Street, in the City of London, for an invention for—"Improvements in the manufacture of green colouring matters to be used in dyeing and printing." <i>Provisional protection only.</i>
NEWTON. 25th February 1864.	475. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in hoop skirts."— <i>A communication to him from abroad by Oliver Rogers Burnham, of New York City, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PARRY. 25th February 1864.	476. GEORGE PARRY, of the Ebbw Vale Iron Works, in the County of Monmouth, Furnace Manager, for an invention for—"Improvements in the treatment of slag or the cinder of blast furnaces, for the purpose of utilizing the same." <i>Letters Patent sealed.</i>
JOHNSON. 26th February 1864.	477. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in ploughs."— <i>A communication to him from abroad by Eugene Theodore Denin, of Paris, in the Empire of France, Glass Manufacturer.</i> <i>Letters Patent sealed.</i>
CALVERT. EDMESTON. 26th February 1864.	478. EDMUND CALVERT, of Walton-le-Dale, in the County of Lancaster, and THOMAS EDMESTON, of the same place, for an invention for—"Improvements in parts of machinery or apparatus employed in preparing, spinning and doubling fibrous materials, and in apparatus for manufacturing the said parts." <i>Provisional protection only.</i>
GRANTHAM. 26th February 1864.	479. JOHN GRANTHAM, of 17, King's Arms Yard, Coleman Street, in the City of London, Consulting Engineer, for an invention for—"Improvements in apparatus connected with machinery used in manufacturing compressed fuel." <i>Provisional protection only.</i>
HULL. 26th February 1864.	480. CHARLES HULL, of Birmingham, in the County of Warwick, Manufacturer and Electro-Plater, for an invention for—"Improvements in corkscrews."— <i>The result partly of a communication made to him from abroad by Gustav Böhm, of Offenbach, Germany, and partly of invention and discovery made by him.</i> <i>Letters Patent sealed.</i>
SHAW. 26th February 1864.	481. CHRISTOPHER SHAW, of Wicker Iron Works, Sheffield, in the County of York, Ironfounder, for an invention for—"An improvement in the manufacture of malleable shot and in apparatus for that purpose." <i>Letters Patent sealed.</i>
PRINCE. 26th February 1864.	482. ALEXANDER PRINCE, of No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in filtering apparatus."— <i>A communication to him from abroad by François Michel, and Aimé Pruvot, both resident at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
THORNTON. HIGTON. 26th February 1864.	483. JAMES THORNTON, and JOB HIGTON, of Nottingham, Manufacturers, for an invention for—"Improvements in machinery for making looped fabrics." <i>Provisional protection only.</i>
ROLFE. 26th February 1864.	484. EUGENIA ROLFE, of Verulam Buildings, Gray's Inn Lane, in the County of Middlesex, for an invention for—"Improvements in irons for ironing." <i>Provisional protection only.</i>
BONNEVILLE. 26th February 1864.	485. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the manufacture of artificial marble."— <i>A communication from Joseph Alibert, a person residing at Marseilles, in the Empire of France, aforesaid.</i> <i>Provisional protection only.</i>
BRADFORD. 27th February 1864.	486. THOMAS BRADFORD, of Cathedral Steps, Manchester, in the County of Lancaster, and 63, Fleet Street, London, in the County of Middlesex, Washing Machine Manufacturer, for an invention for—"Certain improvements in apparatus or mechanism for shaking, riddling, egg-whisking and mixing, and in mortar machines." <i>Provisional protection only.</i>

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| <p>BARRACLOUGH.
27th February 1864.</p> <p>GEDGE.
27th February 1864.</p> <p>BIRTWISTLE.
FURNIVAL.
27th February 1864.</p> <p>RANSOME.
27th February 1864.</p> <p>MUNTZ.
27th February 1864.</p> <p>SHEPARD.
27th February 1864.</p> <p>BINGHAM.
29th February 1864.</p> <p>BARWELL.
29th February 1864.</p> <p>WORRALL.
COOPER.
29th February 1864.</p> <p>WORRALL.
29th February 1864.</p> <p>WEIL.
29th February 1864.</p> <p>PEPPER.
29th February 1864.</p> <p>HIBBERD.
29th February 1864.</p> | <p>487. THOMAS CRITCHLEY BARRACLOUGH, of Manchester, in the County of Lancaster, for an invention for—"An improved machine for boring or forming square or angular sided holes in wood and other substances."—<i>A communication to him from abroad by Benjamin Merritt, the younger, of Newton, in the County of Middlesex, and State of Massachusetts, one of the United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>488. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the composition and manufacture of artificial granite, marble and stone, and in the kilns and apparatus used in such manufacture."—<i>A communication to him from abroad by Jean Begué, of 39, Faubourg Saint Martin, Paris, France.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>489. GEORGE BIRTWISTLE, Braid Manufacturer, and RICHARD FURNIVAL, Machinist, both of the City of Manchester, and County of Lancaster, for an invention for—"Improvements in machinery for the manufacture of braided or plaited fabrics and in finishing the same, and in machinery or apparatus for the purpose."
<i>Letters Patent sealed.</i></p> <p>490. FREDERICK RANSOME, of Ipswich, in the County of Suffolk, for an invention for—"Improvements in the manufacture of artificial stone."
<i>Letters Patent sealed.</i></p> <p>491. PHILIP HENRY MUNTZ, of Birmingham, in the County of Warwick, Merchant, for an invention for—"An improvement or improvements in the manufacture of yellow metal sheathing."
<i>Letters Patent sealed.</i></p> <p>492. EDWARD CLARENCE SHEPARD, of Springfield Lodge, Regent's Park, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech-loading fire-arms."
<i>Letters Patent sealed.</i></p> <p>493. EDWARD BINGHAM, 176, Goswell St., St. Luke's, Travelling Bag Manufacturer, for an invention for—"A double action lock for travelling bags and every other description of bag."
<i>Provisional protection only.</i></p> <p>494. HENRY BARWELL, of Colney Hatch, in the County of Middlesex, Gentleman, for an invention for—"An improved steam generator specially adapted for horticultural purposes, but also useful for other purposes."
<i>Letters Patent sealed.</i></p> <p>495. JOHN MAYO WORRALL, of Ordsall, in the County of Lancaster, Dyer and Finisher, and SAMUEL COOPER, of Openshaw, in the same County, Dyer, for an invention for—"Certain improvements in the treatment or preparation of cotton velvets and other looped, 'raised' or cut pile fabrics, previous to dyeing such fabrics black."
<i>Letters Patent sealed.</i></p> <p>496. JAMES PRESTON WORRALL, of Ordsall, in the County of Lancaster, Dyer and Finisher, for an invention for—"An improved method of coloring or staining the cotton or back of 'union silk faced' velvets or other mixed cut pile, looped or 'raised' fabrics."
<i>Provisional protection only.</i></p> <p>497. FREDERIC WEIL, of Paris, France, Civil Engineer, for an invention for—"Improvements in coating metals with one or several other metals, and in oxydizing the surface of these latter."
<i>Letters Patent sealed.</i></p> <p>498. JOHN HENRY PEPPER, of No. 61, Boundary Road, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in arranging apparatus for representing spectral and other images on a stage."
<i>Provisional protection only.</i></p> <p>499. CHARLES HIBBERD, of Ludgate Hill, in the City of London, Stationer, for an invention for—"An improved memorandum book or diary."
<i>Provisional protection only.</i></p> |
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GEDGE. 29th February 1864.	500. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A hygienic and inodorous apparatus applicable to the cradles or cots of children and to the beds of adult invalids."— <i>A communication to him from abroad by Paul Geofroy Gomez, of No. 15, Passage des Petites Ecuries, Paris, France, Surgeon Dentist.</i> <i>Provisional protection only.</i>
GEDGE. 29th February 1864.	501. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for manufacturing wheat and other grain into flour."— <i>A communication to him from abroad by Honoré Dumas, junior, of Villeines, in the Empire of France, Miller.</i> <i>Letters Patent sealed.</i>
SOUTHAM. 29th February 1864.	502. WILLIAM SOUTHAM, of Upper Sydenham, in the County of Kent, Gentleman, for an invention for—"Improvements in rotary steam-engines." <i>Provisional protection only.</i>
SWAN. 29th February 1864.	503. JOSEPH WILSON SWAN, of Gateshead, in the County of Durham, Chemist, for an invention for—"Improvements in photography." <i>Letters Patent sealed.</i>
CHAPMAN. 1st March 1864.	504. JOHN CHAPMAN, of Albion Street, Hyde Park, in the County of Middlesex, Doctor of Medicine, for an invention for—"Spine-bags to be employed in controlling the circulation of the blood, by the combined or independent application of ice or iced water and warm water or other fluid, to the region of the spinal cord." <i>Complete specification: Letters Patent sealed.</i>
COOPER. WORRALL. 1st March 1864.	505. SAMUEL COOPER, of Openshaw, in the County of Lancaster, Dyer, and JOHN MAYO WORRALL, of Ordsall, in the same County, Dyer and Finisher, for an invention for—"Certain improvements in the method of dyeing or coloring certain descriptions of woven fabrics." <i>Letters Patent sealed.</i>
HILL. 1st March 1864.	506. CHARLES GREY HILL, of Commerce Square, High Pavement, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of bonnet and cap fronts, rouches and other millinery trimmings." <i>Letters Patent sealed.</i>
MELLOR. 1st March 1864.	507. WILLIAM HENRY MELLOR, of Liverpool, in the County of Lancaster Common Brewer, for an invention for—"An improved apparatus to be used when fermenting malt liquors in casks or other like close vessels." <i>Letters Patent sealed.</i>
COX. 1st March 1864.	508. WILLIAM COX, of Lochee, Dundee, in the County of Forfar, North Britain, Jute and Flax Spinner and Power-loom Linen Manufacturer, for an invention for—"Improvements in roving, spinning, twisting and winding textile materials, and in the machinery, apparatus or means employed therein." <i>Provisional protection only.</i>
RICKETT. 1st March 1864.	509. THOMAS RICKETT, of the Castle Foundry, Buckingham, Engineer, for an invention for "Improvements in steam-boilers or generators." <i>Provisional protection only.</i>
ROBINSON. 1st March 1864.	510. JOSEPH ROBINSON, of No. 7, Laurence Pountney Hill, in the City of London, Iron Master, for an invention for—"Improved machinery for rolling railroad and other bars."— <i>A communication to him from abroad by John Kennedy, of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 1st March 1864.	511. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of velvets or cut pile fabrics."— <i>A communication to him from abroad by Jean Luc Hoch, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
WOODWARD. 1st March 1864.	512. JOHN WOODWARD, of Notting Hill, in the County of Middlesex, Agent, for an invention for—"Improvements in buffers." <i>Provisional protection only.</i>
MOULINE. 1st March 1864.	513. LOUIS EUGÈNE MOULINE, of Vals, in the Empire of France, for an invention for—"An improved atmospheric engine." <i>Provisional protection only.</i>

HUMPHRYS.
1st March 1864.

514. EDWARD HUMPHRYS, of Deptford Pier, in the County of Kent, for an invention for—"Improvements in machinery for propelling vessels when twin-screw propellers are employed."
Letters Patent sealed.

HUGHES.
1st March 1864.

515. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of weaver's harness."—*A communication to him from abroad by William Randal Harris, Engineer, of 13, Rue Gaillon, Paris, in the Empire of France.*
Letters Patent sealed.

WILD.
1st March 1864.

516. JOHN WILD, of Oldham, in the County of Lancaster, for an invention for—"Improvements in propelling vessels, and in machinery or apparatus connected therewith."
Letters Patent sealed.

BÜNGER.
2nd March 1864.

517. WILLIAM BÜNGER, of Camberwell Road, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for ascertaining the weight of the load supported by the springs of railway locomotives and carriages, for the purpose of regulating or equalizing such load."—*A communication to him from abroad by Ludwig Starck, of Darmstadt, in the Duchy of Hesse Darmstadt.*
Provisional protection only.

LANIEL.
2nd March 1864.

518. LOUIS ALEXANDRE LANIEL, of No. 12, Abingdon Street, Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, Manufacturer, for an invention for—"An improvement in the dressing of vegetable fibrous matters, applicable in certain spinning processes."
Letters Patent sealed.

MILLER.
2nd March 1864.

519. WILLIAM MILLER, of 66, High Street, Hull, in the County of Yorkshire, for an invention for—"Improvements in the manufacture of sugar and in the apparatus employed therein."
Provisional protection only.

NOTON.
2nd March 1864.

520. WILLIAM NOTON, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Certain improvements in machinery for opening, scutching and carding cotton and other fibrous substances."
Letters Patent sealed.

RAEBURN.
2nd March 1864.

521. JOHN PETER RAEBURN, of Charlesfield, in the County of Mid-Lothian, North Britain, Gentleman, for an invention for—"Improvements in the production of oil or oleaginous or spirituous and gaseous matters from coal and other mineral substances and vegetable deposits, and in the machinery, apparatus or means employed therein."
Provisional protection only.

DAVIES.
2nd March 1864.

522. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Benjamin Franklin Joslyn, of Stonington, in the County of New London, State of Connecticut, United States of America.*
Letters Patent sealed.

PASTOR.
2nd March 1864.

523. EDOUARD FREDERIC PASTOR, junior, of Borcette, near Aix-la-Chapelle, in the Kingdom of Prussia, Spinner, for an invention for—"Improved machinery for burring or cleaning wool."
Letters Patent sealed.

NEWTON.
2nd March 1864.

524. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of percussion pouch."—*A communication to him from abroad by Silvanus Jenkins Macy, of New York City, in the State of New York, United States of America.*
Letters Patent sealed.

PEARSON.
2nd March 1864.

525. JOHN PEARSON, of the firm of Messieurs John Pearson and Sons, of the Leen Side Works, in the Town and County of the Town of Nottingham, Bleachers and Brushers, for an invention for—"The employment of a blast for heating steam-boilers and for such other purposes as the same may be applicable thereto."
Provisional protection NOT granted.

BARLAND.
O'KEEFE.
2nd March 1864.

526. MARGARET BARLAND, of Mount Street, Grosvenor Square, and THOMAS O'KEEFE, of Brewer Street, Golden Square, both in the County of Middlesex, for an invention for—"Improvements in obtaining motive-power and in applying the same to the propulsion of ships or vessels and to other useful purposes."—*A communication to them from abroad by Thomas Barland, resident at Eau Clair, Wisconsin, in the United States of America.*
Provisional protection only.

GAZE. 2nd March 1864.	527. GEORGE GAZE, of Great College Street, Camden Town, in the County of Middlesex, Licensed Victualler, for an invention for—"Improvements in money tills." <i>Letters Patent sealed.</i>
LANGENARD. 2nd March 1864.	528. FRÉDÉRIC PIERRE LANGENARD, of Rue des Trois Couronnes, Paris, in the Empire of France, Lead Wire Manufacturer, for an invention for—"Improvements in centrifugal machines for extracting juice of plants, or drying up substances or materials of various kinds." <i>Letters Patent sealed.</i>
ELLIS. 3rd March 1864.	529. GEORGE HENRY ELLIS, of Romney Cottage, Wellington Road, in the Parish of Bromley St. Leonard, Middlesex, Mechanical Engineer, for an invention for—"Improvements in apparatus for rolling and watering gardens and other kinds of land." <i>Letters Patent sealed.</i>
YVOSE-LAURENT. 3rd March 1864.	530. LOWINSKI YVOSE-LAURENT, of 17, Rue Neuve Popincourt, Paris, Waggon Tilt and Waterproof Cloth Manufacturer, for an invention for—"The application of impervious tissue for manufacturing encampment carpets for the use of the armies." <i>Provisional protection NOT granted.</i>
WILKINSON. 3rd March 1864.	531. WILLIAM WILKINSON, of Haworth, near Keighley, in the County of York, Manufacturer, for an invention for—"Improvements in sizing cotton and other warps or threads." <i>Provisional protection only.</i>
WRIGHT. 3rd March 1864.	532. JOSEPH WRIGHT, of Shipley, in the County of York, Oatcake Baker or Manufacturer, for an invention for—"Improvements in means or apparatus for baking or manufacturing oatcake." <i>Letters Patent sealed.</i>
BENTALL. 3rd March 1864.	533. EDWARD HAMMOND BENTALL, of Heybridge, near Maldon, in the County of Essex, Agricultural Implement Maker, for an invention for—"An improved construction of cutter for facing up wood." <i>Letters Patent sealed.</i>
CLARK. 3rd March 1864.	534. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in treating and utilizing refuse tinned iron and other combined metals."— <i>A communication to him from abroad by Nicolas Oscar André, junior, Law Student, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
BENNISON. 3rd March 1864.	535. HENRY BENNISON, of Burrage Road, Plumstead, in the County of Kent, and of Hobart Town, Tasmania, Gentleman, for an invention for—"Improvements in apparatus for obtaining motive-power by means of water."— <i>Partly his own invention and partly a communication to him from abroad by Frederick Arundel Downing, of Hobart Town, Tasmania.</i> <i>Letters Patent sealed.</i>
CRUTCHETT. 3rd March 1864.	536. JAMES CRUTCHETT, of Stroud, in the County of Gloucester, at present domiciled at Washington, District of Columbia, United States of America, for an invention for—"Improvements in apparatus for winding threads of fibrous material from the skein, hank or other condition, on to reels or otherwise." <i>Letters Patent sealed.</i>
STOCKMAN. SCOTT. 3rd March 1864.	537. BENJAMIN PRYOR STOCKMAN, of 24, Great George Street, Westminster, Civil Engineer, and JAMES SHEPPARD SCOTT, of 46, Kensington Park Gardens, Gentleman, for an invention for—"Improvements in constructing sea and river embankment walls, piers and other structures wholly or partly immersed in water." <i>Letters Patent sealed.</i>
HALL. 3rd March 1864.	538. EDWARD HALL, of Dartford, in the County of Kent, Engineer, for an invention for—"Improvements in machinery for polishing glass." <i>Letters Patent sealed.</i>
PRITCHETT. 3rd March 1864.	539. SAMUEL PRITCHETT, of Charlbury, in the County of Oxford, for an invention for—"Improvements in the manufacture of gloves." <i>Letters Patent sealed.</i>
BOUSFIELD. 3rd March 1864.	540. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in braiding machinery."— <i>A communication to him from abroad by John Wood, a person resident at Providence, Rhode Island, in the United States of America.</i> <i>Letters Patent sealed.</i>
HARDING. 3rd March 1864.	541. GUSTAVUS PALMER HARDING, of Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of tubes, rods, bars and plates, and in machinery employed therein." <i>Letters Patent sealed.</i>

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| IBOTSON.
3rd March 1864. | 542. WILLIAM IBOTSON, of Wraysbury, in the County of Middlesex, Paper Manufacturer, for an invention for—"Improvements in the manufacture of paper and in machinery employed therein."
<i>Letters Patent sealed.</i> |
| FORD.
4th March 1864. | 543. ALFRED FORD, of Trafalgar Works, Peckham, in the County of Surrey, for an invention for—"An improved method of manufacturing floor cloth."
<i>Provisional protection only.</i> |
| SLATER.
4th March 1864. | 544. DANIEL SLATER, of the Parish and Town of Kettering, in the County of Northampton, Cabinet Maker, for an invention for—"Certain improvements in cabinet furniture and fixtures attached thereto."
<i>Complete specification; Letters Patent sealed.</i> |
| HUGHES.
4th March 1864. | 545. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in machinery for drying, cooling and cleaning grain."— <i>A communication to him from abroad by Henry Beach, Engineer, of the City of Philadelphia, State of Pennsylvania, United States of America.</i>
<i>Provisional protection only.</i> |
| SPENCER.
4th March 1864. | 546. JOHN SPENCER, of Doncaster, in the County of York, Agricultural Implement Maker, for an invention for—"An improved holdfast or apparatus for suspending or holding up sacks and other articles."
<i>Provisional protection only.</i> |
| NEWTON.
4th March 1864. | 547. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved break apparatus applicable to machinery for raising and lowering heavy weights."— <i>A communication to him from abroad by Pierre Francois Tanney and Edme Maitrejean, of Rue St. Sebastien, Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i> |
| LEPOUTRE.
4th March 1864. | 548. FELIX LEPOUTRE, of Tourcoing, in the Department of the Nord, in the Empire of France, Manufacturer, for an invention for—"Improvements in the machinery of spinning looms."
<i>Provisional protection only.</i> |
| BROOMAN.
4th March 1864. | 549. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in manufacturing a green coloring matter."— <i>A communication to him from abroad by Otto Bredt, residing at Barmen, Rhenish Prussia.</i>
<i>Provisional protection only.</i> |
| HENRY.
4th March 1864. | 550. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for propelling ships and other vessels, and in pumps for supplying the same and for other purposes."— <i>A communication to him from abroad by Louis Coignard, of 33, Boulevard Saint Martin, Paris, France.</i>
<i>Letters Patent sealed.</i> |
| BOURNE.
4th March 1864. | 551. STEPHEN BOURNE, of Headstone Drive, Harrow, in the County of Middlesex, for an invention for—"Improvements in casks and other vessels for containing beer and other liquids that are injured when exposed to atmospheric air."
<i>Letters Patent sealed.</i> |
| MANBRÉ.
4th March 1864. | 552. ALEXANDRE MANBRÉ, of 81, Baker Street, Portman Square, W., Brewer and Sugar Manufacturer, for an invention for—"Improvements in the manufacture of glucose sugar."
<i>Letters Patent sealed.</i> |
| SMITH.
4th March 1864. | 553. FREDERICK SMITH, of York Street, York Road, Lambeth, in the County of Surrey, Builder and Oven Builder, for an invention for—"Improvements in the arrangements and construction of ovens."
<i>Letters Patent sealed.</i> |
| LOCKWOOD.
WETHERILL.
5th March 1864. | 554. JOHN LOCKWOOD, of Batley, in the County of York, Engineer, and JAMES WETHERILL, of the same place, Surveyor, for an invention for—"Improvements in propelling steam ships and sailing vessels."
<i>Provisional protection only.</i> |
| GRACE.
5th March 1864. | 555. THEODORE GRACE, of the City and County of Bristol, Agricultural Engineer, for an invention for—"Improvements in hay-making machines."
<i>Letters Patent sealed.</i> |
| COCHRANE.
5th March 1864. | 556. HENRY COCHRANE, of Ormesby Iron Works, Middlesborough-on-Tees, in the County of York, Engineer, for an invention for—"Improvements in moulds for casting metals."
<i>Letters Patent sealed.</i> |
| HILL.
5th March 1864. | 557. LAURENCE HILL, of Port Glasgow, in the County of Renfrew, North Britain, Shipbuilder, for an invention for—"Improvements in and relating to windlasses and riding or mooring bits."
<i>Letters Patent sealed.</i> |

MILLIGAN, DUTY. 5th March 1864.	558. WALTER MILLIGAN, of Bradford, in the County of York, Manufacturer, and BIRKETT DUTY, of the same place, Overlooker to the said Walter Milligan, for an invention for—"Improvements in means or apparatus employed in weaving." <i>Provisional protection only.</i>
BEATTIE. 5th March 1864.	559. WILLIAM GEORGE BEATTIE, of South Bank, Surbiton, in the County of Surrey, Engineer, for an invention for—"Improvements in locomotive engines." <i>Letters Patent sealed.</i>
BROOMAN. 5th March 1864.	560. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new or improved cloth or fabric." — <i>A communication to him from abroad by Francois Vouillon, of Louviers, France.</i> <i>Provisional protection only.</i>
DANGERFIELD. 5th March 1864.	561. WILLIAM DANGERFIELD, of Chalford, in the County of Gloucester, Umbrella and Parasol Stick Manufacturer, for an invention for—"An improved mode of and apparatus for bending wood for the handles of walking sticks, umbrella and parasol sticks and other purposes." <i>Letters Patent sealed.</i>
HUMFREY. 5th March 1864.	562. CHARLES HUMFREY, of Suffolk Grove, Southwark, in the County of Surrey, for an invention for—"Improvements in vulcanising india-rubber." <i>Letters Patent sealed.</i>
GRAY. 5th March 1864.	563. THOMAS GRAY, of Mitcham, in the County of Surrey, Bleacher, for an invention for—"Improvements in the treatment of 'jute' and 'jute' cuttings." <i>Letters Patent sealed.</i>
BACKHOUSE. 7th March 1864.	564. JAMES BACKHOUSE, of Cobble Hall, Roundhay, near Leeds, in the County of York, Farmer, for an invention for—"Improvements in machinery for reaping corn." <i>Provisional protection only.</i>
JORDAN. 7th March 1864.	565. CHARLES JORDAN, of the City of Manchester, Metallurgist and Philosophical Instrument Maker, for an invention for—"Improvements in the manufacture of files." <i>Letters Patent sealed; no specification filed.</i>
REVELL. 7th March 1864.	566. JOSEPH REVELL, of Dukinfield, in the County of Chester, Master Plasterer and Decorator, for an invention for—"Improvements in oil cans, lamps or other vessels for lubricating and illuminating purposes." <i>Letters Patent sealed.</i>
NEWTON. 7th March 1864.	567. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for heating the feed water of steam-boilers."— <i>A communication to him from abroad by Benjamin Lathrop, of Detroit, in the State of Michigan, United States of America.</i> <i>Provisional protection only.</i>
NEWTON. 7th March 1864.	568. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in refining sugar and molasses."— <i>A communication to him from abroad by Louis Pierre Robert de Massy and Louis Robert de Massy, of Rue St. Sébastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
PRICE. DONOVAN. 8th March 1864.	569. JAMES PRICE, of the Midland Great Western Railway of Ireland, and of Clonsilla, County of Dublin, in Ireland, Civil Engineer, and RICHARD EDWARD DONOVAN, of Courtduffe, at Castleknock, in the County of Dublin, Ireland, Gentleman, for an invention for—"Improvements in the means and apparatus for preventing collisions on railways and for lessening the effects of the same." <i>Letters Patent sealed.</i>
LAEDERICH. 8th March 1864.	570. CHARLES EUGÈNE LAEDERICH, of Paris, France, Gentleman, for an invention for—"Improvements in watches." <i>Letters Patent sealed.</i>
GEDGE. 8th March 1864.	571. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means of obtaining direct impressions or printing on tin or tinned sheet iron, to be applied to the labeling of the boxes or cases used to preserve provisions, and to decorate every sort of tin work."— <i>A communication to him from abroad by Julien Roussel, Lucien Robin and Laurent Delaigre, all of 39, Faubourg Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>

MOIR.
SERJEANT.
8th March 1864.

572. WILLIAM MOIR, of Vine Villa, Parker Street, Stretford, near Manchester, Gentleman, and CHARLES ELDON SERJEANT, of St. Benet's Monastery, Lanivet, near Bodmin, in the County of Cornwall, Esquire, for an invention for—"Improvements in railways and railway carriages."
Letters Patent sealed.

CLARK.
8th March 1864.

573. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in water pressure engines for raising and forcing water and for other purposes."—*A communication to him from abroad by Elisha Daniel Eames, of Evansville, in the County of Vanderburgh, State of Indiana, United States of America.*
Letters Patent sealed.

LAWRENCE.
8th March 1864.

574. JOHN LAWRENCE, of Uckfield, in the County of Sussex, Engineer and Millwright, for an invention for—"Improvements in signal apparatus applied to steam-boilers."
Provisional protection only.

SYMES.
8th March 1864.

575. JAMES SYMES, of Norfolk Street, Strand, in the County of Middlesex, for an invention for—"Improvements in pontoons or caissons applicable to building structures in water and to other useful purposes."
Letters Patent sealed.

COWLES.
8th March 1864.

576. EDWARD COWLES, of Hounslow, in the County of Middlesex, Machinist, for an invention for—"An improved sofa or transformable bed."
Letters Patent sealed.

GREAVES.
8th March 1864.

577. HUGH GREAVES, of Abingdon Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in constructing and unloading wagons used on railways and tramways, parts of which improvements are applicable also to other like purposes."
Provisional protection only.

JOHNSON.
8th March 1864.

578. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for drying grain."—*A communication to him from abroad by William Henry Sutton, of the Town of Brantford, County of Brant, in the Province of Canada, Machinist.*
Provisional protection only.

NEWTON.
8th March 1864.

579. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the preparation of clay for moulding bricks and other articles."—*A communication to him from abroad by Friedrich Edouard Hoffmann, of Berlin, in the Kingdom of Prussia.*
Provisional protection only.

NEWTON.
8th March 1864.

580. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture or production of baryta and strontia."—*A communication to him from abroad by Louis Pierre Robert de Massy and Louis Robert de Massy, of Rue St. Sébastien, Paris, in the Empire of France.*
Letters Patent sealed.

LANIEL.
9th March 1864.

581. LOUIS ALEXANDRE LANIEL, of No. 12, Abingdon Street, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, Manufacturer, for an invention for—"An improvement in the solutions of mucilaginous matters employed in the dressing of linen, hemp and certain other yarns, preparatory to weaving."
Provisional protection only.

TOLHAUSEN.
9th March 1864.

582. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of 'washing blues.'"—*A communication from Madame Jobert, a person resident at Dôle, in the Empire of France.*
Provisional protection only.

WORRALL.
9th March 1864.

583. JOHN MAYO WORRALL, of Ordsall, in the County of Lancaster, Dyer and Finisher, for an invention for—"An improvement in the method of dyeing or coloring looped, 'cut pile' or 'raised' fabrics composed of cotton and silk."
Provisional protection only.

WORRALL.
9th March 1864.

584. JAMES PRESTON WORRALL, of Ordsall, in the County of Lancaster, Dyer and Finisher, for an invention for—"Certain improvements in dyeing or coloring looped, cut pile or 'raised' textile fabrics composed of cotton and silk."
Letters Patent sealed.

BRODIE.
9th March 1864.

585. DAVID BRODIE, of Paisley, in the County of Renfrew, North Britain, Brewer, for an invention for—"Improvements in apparatus for heating water by means of waste steam."
Letters Patent sealed; no specification filed.

DAVIES. 9th March 1864.	586. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improved means of transforming the ebb and flow of the tide into a continuous and constant hydraulic power."— <i>A communication to him from abroad by Francois Alfred Tallendeau, of Nantes, in the Empire of France.</i> <i>Provisional protection only.</i>
BRAKELL. 9th March 1864.	587. CHRISTOPHER BRAKELL, of Oldham, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for ginning or cleaning cotton or other fibrous materials." <i>Letters Patent sealed.</i>
SPIERS. POND. 9th March 1864.	588. FELIX SPIERS, and CHRISTOPHER POND, both of Princes Street, Cavendish Square, in the County of Middlesex, for an invention for—"Improvements in closing or stoppering bottles."— <i>A communication to them from abroad by Barlow William Mallam, resident at Melbourne, in the Colony of Victoria.</i> <i>Letters Patent sealed.</i>
GREENWOOD. HADLEY. 9th March 1864.	589. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, and HERBERT HADLEY, of Long Close Lane, Leeds, in the County of York, Silk Dresser, for an invention for—"Improved machinery for dressing silk waste." <i>Letters Patent sealed.</i>
HUTCHINSON. 9th March 1864.	590. WILLIAM HUTCHINSON, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines." <i>Provisional protection only.</i>
BROOMAN. 9th March 1864.	591. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in balloons and in apparatus connected therewith."— <i>A communication to him from abroad by Pierre Quentin, of Paris, France.</i> <i>Provisional protection only.</i>
BISHOP. BAILEY. 9th March 1864.	592. EDWARD BISHOP, of Headingley, near Leeds, in the County of York, Doctor of Medicine, and WILLIAM BAILEY, of Halifax, also in the County of York, Engineer, for an invention for—"Improved means and apparatus for evaporating the water contained in fecal or excrementitious matter." <i>Letters Patent sealed.</i>
CLARK. 9th March 1864.	593. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for stretching and dressing hides and skins."— <i>A communication to him from abroad by Philomène Francois Joseph Boyer, Merchant, and Edmond Vaucher, Représentant de Commerce, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
THOMPSON. 9th March 1864.	594. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in apparatus for stopping bottles, jars and other vessels, which improvements are also applicable to stopping the muzzles of fire-arms." <i>Letters Patent sealed.</i>
NORTON. 9th March 1864.	595. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in the manufacture of manure, and in machinery to be used in this manufacture." <i>Letters Patent sealed.</i>
BRODERICK. REES. 9th March 1864.	596. WILLIAM EDWARD BRODERICK, of No. 146, Fenchurch Street, in the City of London, and WILLIAM REES, of No. 24, Little Guildford Street, in the County of Middlesex, for an invention for—"Improvements in machinery for manufacturing needles for sewing-machines." <i>Letters Patent sealed.</i>
WAY. 9th March 1864.	597. JOHN THOMAS WAY, of No. 106, Leadenhall Street, in the City of London, for an invention for—"Improvements in the manufacture of manure from woollen rags, mixed woollen and cotton rags, shoddy or waste wool." <i>Letters Patent sealed.</i>
BOUSFIELD. 9th March 1864.	598. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in rollers to be used in machinery for spinning and manufacturing wool, cotton and other fibrous materials."— <i>A communication to him from abroad by Amos Taylor, a person resident in the United States of America.</i> <i>Letters Patent sealed.</i>
BLACKWELL. 9th March 1864.	599. SAMUEL BLACKWELL, of 259, Oxford Street, in the County of Middlesex, Saddler, for an invention for—"Improvements in apparatus used for breaking horses and known as dumb jockeys." <i>Letters Patent sealed.</i>

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| <p>HASELTINE.
9th March 1864.</p> <p>SCHOFIELD.
10th March 1864.</p> <p>WALLACE.
10th March 1864.</p> <p>BOYLE.
10th March 1864.</p> <p>BANKS.
10th March 1864.</p> <p>CLAYTON.
10th March 1864.</p> <p>BONNEVILLE.
10th March 1864.</p> <p>BURDON.
10th March 1864.</p> <p>BAZALGETTE.
10th March 1864.</p> <p>CLIFTON.
10th March 1864.</p> <p>SHORTRIDGE.
HOWELL.
10th March 1864.</p> <p>PENRICE.
10th March 1864.</p> <p>WALTON.
10th March 1864.</p> <p>WILSON.
11th March 1864.</p> <p>WILKINSON.
ROSSETTER.
11th March 1864.</p> | <p>600. GEORGE HASELTINE, of the International Patent Office, No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved spring tension regulator."—<i>A communication to him from abroad by Thomas Silver, of the City, County and State of New York, United States.</i>
<i>Provisional protection only.</i></p> <p>601. JAMES HARTLEY SCHOFIELD, of Oldham, in the County of Lancaster, Millowner, for an invention for—"Certain improvements in apparatus or mechanism for lubricating frictional surfaces in machinery."
<i>Letters Patent sealed.</i></p> <p>602. JOHN WALLACE, of Haldane's Mill, near Alexandria, in the County of Dumbarton, North Britain, Smith and Agricultural Implement Maker, for an invention for—"Improvements in reaping machines."
<i>Provisional protection only.</i></p> <p>603. THOMAS BOYLE, of 31, Gray's Inn Road, London, in the County of Middlesex, Lighting and Ventilating Engineer, for an invention for—"An improved air and smoke valve."
<i>Provisional protection only.</i></p> <p>604. THOMAS BANKS, of Kidderminster, in the County of Worcester, Manufacturer, for an invention for—"Improvements in steering ships and vessels."—<i>A communication to him from abroad by George Fletcher Banks, of Madeira.</i>
<i>Provisional protection only.</i></p> <p>605. JOHN CLAYTON, of Wolverhampton, in the County of Stafford, Furnace Builder and Contractor, for an invention for—"Improvements in reverberatory and other furnaces for heating and melting iron and steel and for other like purposes."
<i>Letters Patent sealed.</i></p> <p>606. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in certain descriptions of ornamental paper."—<i>A communication from Emile Ernest Allard, a person residing at Rue de Chazelle, Paris, aforesaid.</i>
<i>Provisional protection only.</i></p> <p>607. WILLIAM WHARTON BURDON, of the Town and County of the Town of Newcastle-upon-Tyne, Esquire, for an invention for—"Improvements in hewing or getting coal and in apparatus employed therein."
<i>Provisional protection only.</i></p> <p>608. JOHN VAN NORDEN BAZALGETTE, of Devonshire Street, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in ventilating hats and other like coverings for the head, and in apparatus employed therein."
<i>Provisional protection only.</i></p> <p>609. HENRY EVERARD CLIFTON, of the City and County of Saint Louis, State of Missouri, and United States of America, for an invention for—"Improvements in hot blast ovens."
<i>Letters Patent sealed.</i></p> <p>610. JOHN SHORTRIDGE, and JOSEPH BENNETT HOWELL, both of Sheffield, in the County of York, Steel Manufacturers, for an invention for—"Improvements in the manufacture of guns, cylinders and other articles of cast steel and homogeneous iron, either separately or in combination."
<i>Letters Patent sealed.</i></p> <p>611. HERBERT NEWTON PENRICE, of Witton House, near Norwich, for an invention for—"Improvements in machinery for tunnelling and driving galleries through rock and other strata."
<i>Letters Patent sealed.</i></p> <p>612. FREDERICK WALTON, of Staines, in the County of Middlesex, for an invention for—"Improvements in machinery for raising water and other liquids."
<i>Letters Patent sealed.</i></p> <p>613. WILLIAM WILSON, of the City of Manchester, in the County of Lancaster, Ironmonger, for an invention for—"Improvements in and apparatus for supplying hot water from kitchen and other boilers, to baths, washstands, and for general use in dwelling houses and other places, whereby explosion is entirely prevented."
<i>Letters Patent sealed.</i></p> <p>614. FREDERICK WILKINSON, and WILLIAM ROSSETTER, both of Accrington, in the County of Lancaster, Mechanics, for an invention for—"Certain improvements in machinery for carding cotton and other fibrous substances."
<i>Letters Patent sealed.</i></p> |
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BOWDITCH. 11th March 1864.	615. WILLIAM RENWICK BOWDITCH, of Saint Andrew's, Wakefield, in the County of York, Clerk, for an invention for—"Improvements in regulating the flow of gas in railway and other carriages, and in apparatus employed to regulate the flow of gas in such railway and other carriages, part of such improvements being applicable to the regulation of gas supplied to stationary lights." <i>Letters Patent sealed.</i>
COCKSHOT. 11th March 1864.	616. WILLIAM COCKSHOT, of Keighley, in the County of York, Currier, for an invention for—"Improvements in driving the spindles of spinning frames." <i>Provisional protection only.</i>
SHARP. 11th March 1864.	617. CHARLES JOHN SHARP, of Clerkenwell, in the County of Middlesex, Mechanic, for an invention for—"An improved lock or fastening for portemonnaies, desks, cases and other like articles." <i>Letters Patent sealed.</i>
BESSON. 11th March 1864.	618. FLORENTINE BESSON, trading under the firm of F. Besson, of 198, Euston Road, London, Musical Instrument Maker, for an invention for—"Improvements in wind musical instruments." <i>Provisional protection NOT granted.</i>
JONES. 11th March 1864.	619. WALTER THOMAS WHITMORE JONES, of No. 24A, Old Cavendish Street, in the County of Middlesex, for an invention for—"Improvements in the construction or arrangement of laced boots." <i>Letters Patent sealed.</i>
FOSTER. 11th March 1864.	620. FREDERICK FOSTER, of No. 11, Salisbury Street, New North Road, in the County of Middlesex, for an invention for—"Improvements in miners' safety lamps." <i>Letters Patent sealed.</i>
SIMESTER. BAINBRIDGE. 12th March 1864.	621. HUGH SIMESTER, of New Street, Dorset Square, in the County of Middlesex, Engineer, and JOHN BAINBRIDGE, of Ely Place, also in the County of Middlesex, Ironmonger, for an invention for—"Improvements in register stoves or fire-places and furnaces, conducing to the consumption of smoke, and applicable to warming, ventilating, cooking and other purposes." <i>Letters Patent sealed.</i>
TAYLOR. 12th March 1864.	622. JAMES TAYLOR, of Middlesborough-on-Tees, in the County of York, Engineer, for an invention for—"Improvements in apparatus for raising and lowering bodies." <i>Letters Patent sealed.</i>
CROMPTON. 12th March 1864.	623. JAMES CROMPTON, of the Britannia Foundry, and also No. 104, Newport Street, both of Bolton, in the County of Lancaster, Engineer, for an invention for—"Improvements in washing and wringing and mangling machines (parts of which improvements are also applicable to washing of roots and other like purposes)." <i>Letters Patent sealed.</i>
WALLIS. 12th March 1864.	624. CHARLES EDWIN WALLIS, of Millman Street, Bedford Row, Holborn, London, in the County of Middlesex, for an invention for—"Improvements in revolving fire-arms." <i>Letters Patent sealed.</i>
CLARK. 12th March 1864.	625. GEORGE CLARK, of No. 42, Hunter Street, Brunswick Square, in the County of Middlesex, for an invention for—"Improvements in the construction of guns and projectiles and gun carriages, and in the manufacture and use of materials employed in their construction." <i>Provisional protection only.</i>
LAWSON. LAWSON. 12th March 1864.	626. JOHN LAWSON, Pattern Designer, and JOHN LAWSON, junior, Machinist, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in weaving and in apparatus therefor." <i>Provisional protection only.</i>
COLLYER. 12th March 1864.	627. ROBERT HANHAM COLLYER, of Beta House, 8, Alpha Road, St. John's Wood, in the County of Middlesex, M.D., Ph. D., F.C.S., for an invention for—"An improved apparatus and process for the conversion of substances into material for the manufacture of paper and textile purposes." <i>Letters Patent sealed.</i>
WALTON. 12th March 1864.	628. EDMUND WALTON, of 47, Wood Street, Cheapside, London, for an invention for—"Securely adjusting and fastening gentlemen's scarfs on any sized neck, by means of a loop buckle." <i>Provisional protection only.</i>

- DURRIEU.**
12th March 1864. 629. LOUIS ADOLPHUS DURRIEU, of 33, Soho Square, London, in the County of Middlesex, for an invention for—"Improvements in the method of clearing or causing to disappear from wool, woollen yarn, woollen fabrics, mixed woven fabrics, or felted cloths or fabrics, the specks caused by particles of matter in wool or fabrics above mentioned, and other blemishes which do not receive the dye equally with the general body of the fabric or substance."—*A communication to him from abroad by Francois Romain Joly, resident at Gaillon (Eure,) in the Empire of France.*
Letters Patent sealed.
- GEDGE.**
12th March 1864. 630. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Applying and transmitting motive-power obtained from the sea."—*A communication to him from abroad by Emile Bercheron des Essarts and Pierre Jacques Carmien, both of 39, Faubourg Saint Martin, Paris, France.*
Provisional protection only.
- SMITH.**
12th March 1864. 631. AUGUSTUS SMITH, of Stratford, in the County of Essex, Brush Manufacturer, for an invention for—"Improvements in machinery for dragging bristles, applicable also to drawing or sorting fibres and hair into different lengths."
Letters Patent sealed.
- JOHNSON.**
12th March 1864. 632. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of soap."—*A communication to him from abroad by Jean Baptiste Vasseur and Alexis Mahot, both of Paris, in the Empire of France.*
Provisional protection only.
- HANCOCK.**
VICKERS.
12th March 1864. 633. HENRY HANCOCK, of 28, Claylands Road, Clapham Road, in the County of Surrey, and WILLIAM HENRY VICKERS, junior, of 24, Blackman Street, Borough, in the same County, for an invention for—"A new or improved system of fastening for doors, windows, safes, chests and other similar purposes."
Provisional protection only.
- PLATT.**
RICHARDSON.
12th March 1864. 634. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus for breaking up or pulverizing clay, for the manufacture of bricks or other such articles, or for breaking up or pulverizing other materials."
Letters Patent sealed.
- FLETCHER.**
12th March 1864. 635. RAYMOND FLETCHER, of Siddalls Road, Derby, in the County of Derby, Manufacturer of washable Paper Hangings, for an invention for—"A new compound used for varnishing paper hangings and other articles."
Letters Patent sealed.
- RAWLINGS.**
12th March 1864. 636. THOMAS RAWLINGS, of Gresham House, Old Broad Street, in the City of London, Merchant, for an invention for—"Improvements in wrenches rendering them applicable for cutting pipes and for other useful purposes."—*A communication to him from abroad by William Webster, of Morrisania, in the County of Westchester, State of New York, in the United States of America.*
Provisional protection only.
- NEEDHAM.**
12th March 1864. 637. FREDERICK HOTHAM NEEDHAM, of the Strand, in the County of Middlesex, for an invention for—"Improvements in electric telegraph cables or wires for submarine, subterranean or overground purposes."
Provisional protection only.
- SYMES.**
12th March 1864. 638. JAMES SYMES, of Norfolk Street, Strand, in the County of Middlesex, for an invention for—"Improvements in masts for sailing boats and vessels."
Provisional protection only.
- PARKINSON.**
TAYLOR.
BURTON.
14th March 1864. 639. THOMAS PARKINSON, and FRANCIS TAYLOR, both of Blackburn, in the County of Lancaster, Machinists, and THOMAS BURTON, of Padiham, in the same County, Tape Sizer, for an invention for—"Improvements in machinery and apparatus for sizing, dressing, dyeing and drying."
Letters Patent sealed.
- MARTIN.**
WYLAM.
14th March 1864. 640. WILLIAM ARENA MARTIN, and EDWARD WYLAM, both of No. 18, Cannon Street, in the City of London, for an invention for—"Improvements in furnace bars."
Provisional protection only.
- NEWAY.**
14th March 1864. 641. JOHN NEWAY, of Harborne, in the County of Stafford, Builder, for an invention for—"A new or improved fire-escape, which said fire-escape may also be used for cleaning windows and for other like purposes."
Letters Patent sealed.

EASTWOOD. MATTHEWS. 14th March 1864.	642. HENRY EASTWOOD, of Elland, in the County of York, Machine Maker, and BENJAMIN MATTHEWS, of the same place, Mechanic, for an invention for—"Improvements in machinery or apparatus for carding wool or other fibrous substances." <i>Letters Patent sealed.</i>
ROWING. 14th March 1864.	643. ESAU ROWING, of Norwich, in the County of Norfolk, Engineer, for an invention for—"Improvements in high-pressure steam-boilers." <i>Letters Patent sealed and specification filed by order.</i>
HOLMES. 14th March 1864.	644. SAMUEL HOLMES, of No. 275, Strand, in the County of Middlesex, Lamp Maker, for an invention for—"Improvements in lamps." <i>Letters Patent sealed.</i>
GEDGE. 14th March 1864.	645. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for the continuous manufacture of candles."— <i>A communication to him from abroad by Chrétien Haffner, of Thann, in the Empire of France.</i> <i>Letters Patent sealed.</i>
PLATT. LITTLE. 14th March 1864.	646. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and GEORGE LITTLE, of the same place, Machinist, for an invention for—"Improvements in moulding from patterns for casting." <i>Letters Patent sealed.</i>
ANDERSON. 14th March 1864.	647. CHARLES ANDERSON, of Fettykil Leslie, in the County of Fife, North Britain, Manufacturer, for an invention for—"Improvements in apparatus for regulating or adjusting the position of endless travelling webs or bands employed in various kinds of machinery." <i>Letters Patent sealed.</i>
HENSMAN. 14th March 1864.	648. WILLIAM HENSMAN, of Woburn, in the County of Bedford, Agricultural Implement Maker, for an invention for—"Improvements in apparatus for raising and lowering weights, applicable among other purposes to agricultural implements." <i>Letters Patent sealed.</i>
BROADBRIDGE. 14th March 1864.	649. CHARLES RICHARD BROADBRIDGE, of Hawkhurst Lodge, Petworth, in the County of Sussex, Gentleman, for an invention for—"Improvements in adapting occasional dining and other tables to the purposes of playing games." <i>Letters Patent sealed.</i>
BROWNE. 15th March 1864.	650. BENJAMIN BROWNE, of No. 49, King William Street, in the City of London, Civil Engineer and Patent Agent, for an invention for—"An improved machine for mowing grass or reaping grain."— <i>A communication to him from abroad by Louis Adam, of Moscow, in the Empire of Russia, Merchant.</i> <i>Provisional protection only.</i>
HOYT. 15th March 1864.	651. JEHIEL KEELER HOYT, of the City, County, and State of New York, United States, now of No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Merchant, for an invention for—"Improvements in windlasses, which may be applied to presses and to other apparatus, for overcoming resistance."— <i>A communication to him from abroad by James Christison, of New York, aforesaid.</i> <i>Provisional protection only.</i>
CHAMBERLAYNE. 15th March 1864.	652. THOMAS CHAMBERLAYNE, of Cranbury Park, near Winchester, Hampshire, Engineer, for an invention for—"Improvements in the construction and mode of connecting and working railway carriages, trucks and waggons." <i>Letters Patent sealed.</i>
BALLER. 15th March 1864.	653. EDMUND BALLER, of Birmingham, in the County of Warwick, Manager of Works, for an invention for—"Improvements in gasaliers of the kind commonly called water slide gasaliers." <i>Letters Patent sealed.</i>
TREGASKIS. 15th March 1864.	654. THOMAS PHILIP TREGASKIS, of Lamb's Conduit Street, in the County of Middlesex, for an invention for—"Improvements in street railways." <i>Letters Patent sealed.</i>
EMPSON. VON HARTZ. 15th March 1864.	655. JAMES EMPSON, of Hamburgh, Iron Ship Builder, and HEINRICH VON HARTZ, of the same place, Engineer, for an invention for—"Improvements in rotary engines." <i>Letters Patent sealed.</i>
MONTGOMERY. 15th March 1864.	656. MATTHEW MONTGOMERY, of 17, Lynedoch Street, Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in ships' sounding rods." <i>Provisional protection only.</i>

TUCKER. 15th March 1864.	657. HENRY TUCKER, of the firm of Tucker, Brothers, of Wood Street, in the City of London, Manufacturers, for an invention for—"Improvements in scarfs for the neck." <i>Provisional protection only.</i>
SALÈRES. 15th March 1864.	658. ALPHONSE NICOLAS SALÈRES, of 2, Rue Ste. Appoline, Paris (Empire of France), Paper-Hanging Maker, for an invention for—"A means of fixing designs in painted paper-hangings." <i>Provisional protection only.</i>
MARTIN. 15th March 1864.	659. ALEXANDER HENNAH MARTIN, of Buttershaw Mills, near Bradford, in the County of York, Mechanic, for an invention for—"Improvements in apparatus employed in preparing and spinning wool and other fibrous substances." <i>Letters Patent sealed; no specification filed.</i>
GEBER. 15th March 1864.	660. ADOLPH GEBER, of Berlin, in the Kingdom of Prussia, for an invention for—"Improvements in applying leather to the manufacture of hats, caps, bonnets, and generally any article of head-dress for men, women and children." <i>Provisional protection only.</i>
RUFFIN. 15th March 1864.	661. EMMETT FORSYTH RUFFIN, of Lumpkin, Stewart County, Georgia, America, but at present residing in Liverpool, in the County of Lancaster, late Lieutenant of Signal Corps, in the Confederate States Army, for an invention for—"Improvements in marine and land signals." <i>Letters Patent sealed.</i>
ROWELL. 15th March 1864.	662. JOSEPH ROWELL, of the City and County of Aberdeen, North Britain, Manufacturer, for an invention for—"Improvements in fences, separating or divisional barriers, and in the machinery, apparatus or means connected therewith." <i>Letters Patent sealed.</i>
CAUDWELL. 15th March 1864.	663. HENRY CAUDWELL, of Oatlands House, Shillingford, in the County of Oxford, Gentleman, for an invention for—"Improvements in projectiles." <i>Letters Patent sealed.</i>
DAY. 15th March 1864.	664. BENJAMIN DAY, of Hoboken, in the County of Hudson, and State of New Jersey, United States of America, for an invention for—"An improved method of producing relief plates for printing, stereotyping or electrotyping." <i>Letters Patent sealed.</i>
NEWTON. 15th March 1864.	665. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of cupola furnaces."— <i>A communication to him from abroad by Addison Smith, of New York City, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
HOLT. 16th March 1864.	666. ROBERT HOLT, of Little Lever, near Bolton, in the County of Lancaster, Terra Cotta Manufacturer, for an invention for—"Improvements in the manufacture of hoods for ventilators." <i>Provisional protection only.</i>
OPENSHAW. 16th March 1864.	667. GEORGE HANDEL OPENSHAW, of Over Darwen, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in power looms for weaving." <i>Letters Patent sealed.</i>
CARRICK. 16th March 1864.	668. JAMES CARRICK, of George Square, Glasgow, Lanarkshire, Gentleman, for an invention for—"Improvements in apparatus for inhaling, breathing and respiratory purposes." <i>Letters Patent sealed.</i>
DE FONTAINE-MOREAU. 16th March 1864.	669. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in rendering useful the enclosures of railways."— <i>A communication from Mr. Henry Place, a person resident at Paris, in the Empire of France.</i> <i>Provisional protection NOT granted.</i>
DE FONTAINE-MOREAU. 16th March 1864.	670. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in fire-arms."— <i>A communication from Pierre Elie Jules Fleury, Lieutenant in the French Imperial Navy, a person resident at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>

LONGRIDGE.
16th March 1864.

671. WILLIAM SMITH LONGRIDGE, of Alderwasley Iron Works, in the County of Derby, Engineer, for an invention for—"Improvements in the construction of steam-boilers, applicable also to other purposes where circular, oval or other continuous forms are used."

Letters Patent sealed.

BATEMAN.
16th March 1864.

672. HYDE BATEMAN, of 3, Castlenau Cottages, Barnes, in the County of Surrey, Surveyor, for an invention for—"Improvements in rotary steam-engines."

Letters Patent sealed.

MOORE.
GADD.
16th March 1864.

673. JOHN MOORE, of the City of Manchester, in the County of Lancaster, Manufacturer, and WILLIAM GADD, the younger, of the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in means or apparatus for the manufacture of pile fabrics."

Provisional protection only.

BROOMAN.
16th March 1864.

674. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in treating vegetable textile matters, in separating filamentous matters therefrom, and the application of such matters to spinning, weaving and dyeing."—*A communication to him from abroad by Etienne Mallard Florentin Bonneau, Adolphe Dumont and Napoleon Jean Claude Canoby, all of Paris, France.*

Letters Patent sealed.

WAKEFIELD.
16th March 1864.

675. EDWARD THOMAS WAKEFIELD, of Bayswater, in the County of Middlesex, Barrister at Law, for an invention for—"Improvements in gas lighting and ventilating apparatus."

Letters Patent sealed.

LAVERTY.
16th March 1864.

676. JAMES LAVERTY, of No. 25, Candleriggs, in the City of Glasgow, for an invention for—"Improvements in pens."

Letters Patent sealed.

DAUGLISH.
16th March 1864.

677. JOHN DAUGLISH, of Reading, in the County of Berks, M.D., for an invention for—"Improvements in the manufacture of aerated bread and in apparatus to be used in this manufacture."

Letters Patent sealed.

HOWARTH.
16th March 1864.

678. RICHARD HOWARTH, of No. 30, Budge Row, Cannon Street, in the City of London, for an invention for—"Improvements in apparatus for covering railway trucks and other carriages."

Letters Patent sealed.

GRIFFITHS.
JAFFREY.
16th March 1864.

679. JOHN GRIFFITHS, of Penrhyn Terrace, Stretford, in the County of Lancaster, Gentleman, and JOHN JAFFREY, of Booth Street, in the City of Manchester, Plumber, for an invention for—"Improvements in alarms or apparatus for indicating a deficiency of water in cisterns or in boilers used for domestic purposes."

Letters Patent sealed; no specification filed.

VON KANIG.
16th March 1864.

680. WILHELM ADOLF VON KANIG, of Bedford Place, Russell Square, in the County of Middlesex, for an invention for—"Improvements in railway telegraphs and signals, and also in the permanent way and carriages, for preventing railway accidents."

Letters Patent sealed.

WOOD.
17th March 1864.

681. HENRY WOOD, of 6, and 7, West Smithfield, in the City of London, Weighing Machinist, for an invention for—"Improvements in weighing machines."

Letters Patent sealed.

DALGLISH.
17th March 1864.

682. DAVID DALGLISH, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvement in looms for weaving."

Letters Patent sealed.

JARMAN.
SHARPE.
17th March 1864.

683. JOHN JARMAN, of Sutton Coldfield, in the County of Warwick, Gentleman, and STEPHEN SHARPE, of London, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of steam ploughs."

Provisional protection only.

HORROCKS.
HORROCKS.
17th March 1864.

684. JAMES HORROCKS, and JOHN HORROCKS, both of Ainsworth, in the County of Lancaster, for an invention for—"Improvements in machinery for spinning cotton, silk, woollen or other fibrous material."

Provisional protection only.

BLEASDALE.
17th March 1864.

685. JOSEPH BLEASDALE, of Blackburn, in the County of Lancaster, Roller Maker, for an invention for—"Improvements in the manufacture of drawing rollers used in machines for preparing and spinning, and in the machinery employed therein."

Letters Patent sealed.

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| <p>CLARK.
17th March 1864.</p> <p>CLARK.
17th March 1864.</p> <p>EDMONDSON.
INGRAM.
17th March 1864.</p> <p>GAMBLE.
ELLIS.
17th March 1864.</p> <p>DURRIEU.
18th March 1864.</p> <p>FOWLER.
18th March 1864.</p> <p>GENEVRIER.
BIDAUX.
18th March 1864.</p> <p>DANCART.
18th March 1864.</p> <p>CHANTRELL.
REYMOND.
18th March 1864.</p> <p>TOLHAUSEN.
18th March 1864.</p> <p>BURRELL.
18th March 1864.</p> <p>SWALLOW.
18th March 1864.</p> <p>KERSHAW.
18th March 1864.</p> <p>HEYWOOD.
19th March 1864.</p> <p>JONES.
19th March 1864.</p> | <p>686. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in lubricating apparatus."—<i>A communication to him from abroad by Jean Denis Genoud, Hotel Keeper, of 29, Boulevard St. Martin, Paris.</i> Letters Patent sealed.</p> <p>687. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in horse shoes."—<i>A communication to him from abroad by Hanns Ferdinand Jullius Peschell, Mechanician, and Henri Charles De la Frenaye, Gentleman, both of 29, Boulevard St. Martin, Paris.</i> Letters Patent sealed.</p> <p>688. JOSEPH EDMONDSON, Manufacturer, and THOMAS INGRAM, Manager, both of Frizinghall, near Bradford, in the County of York, for an invention for—"Improvements in looms for weaving." Letters Patent sealed.</p> <p>689. THOMAS GAMBLE, and EDWIN ELLIS, both of Nottingham, for an invention for—"Improvements in warp fabrics and in machinery for producing the same." Letters Patent sealed.</p> <p>690. LOUIS ADOLPHUS DURRIEU, of 33, Soho Square, London, in the County of Middlesex, for an invention for—"Improvements in the dyeing of woollen and other fabrics."—<i>A communication to him from abroad by Louis Gouchon, resident at Lisieux, in the Empire of France.</i> Letters Patent sealed.</p> <p>691. BENJAMIN FOWLER, junior, of Liverpool, in the County of Lancaster, Ironfounder, for an invention for—"An improved portable drilling machine." Letters Patent sealed.</p> <p>692. JOSEPH GENEVRIER, and PIERRE EUGÈNE BIDAUX, of No. 83, Rue du Chateau d'eau, Paris, in the Empire of France, Clockmakers, for an invention for—"Improvements in spring barrels for clocks and alarums." Letters Patent sealed.</p> <p>693. FERDINAND DANCART, of 82, Boulevard Sébastopol, Paris, in the Empire of France, Watch-maker, for an invention for—"Improvements in brakes for railway carriages." Letters Patent sealed.</p> <p>694. GEORGE FREDERIC CHANTRELL, of Liverpool, in the County of Lancaster, Furnace Engineer, and JEAN REYMOND, of Richmond Hill, near Liverpool, aforesaid, for an invention for—"Improvements applicable to chimney-tops and ventilators, and in the manufacture thereof." Letters Patent sealed.</p> <p>695. FREDERICK TOLHAUSEN, formerly of 17, Faubourg Montmartre, but now of 149, Boulevard Magenta, Paris, in the Empire of France, Civil Engineer and Patent Agent, for an invention for—"An improved process for preserving iron from corrosion as produced by the influence of air and sea-water."—<i>A communication from Mr. Charles De Bussy, Mining Engineer, F. C. S., a person resident at No. 10, Avenue de Villars, Paris.</i> Provisional protection only.</p> <p>696. JAMES BURRELL, of Back Church Lane, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improved apparatus to be used in combination with marine steam-boilers, as a self-acting scum or brine cock and feed cock, which apparatus may also be used as a salinometer and water gauge." Letters Patent sealed.</p> <p>697. JOHN SWALLOW, of Todmorden, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus for working the combs used in doffing fibrous material." Provisional protection NOT granted.</p> <p>698. GEORGE KERSHAW, of Park Street, Camden Town, in the County of Middlesex, Chemist, for an invention for—"Improvements in macerating vessels." Provisional protection only.</p> <p>699. CHARLES HEYWOOD, of Manchester, in the County of Lancaster, Attorney at Law, for an invention for—"An improved method and means of removing 'scum' or floating particles from the surface of water or other liquids." Letters Patent sealed.</p> <p>700. DAVID JONES, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in sugar funnels or moulds."—<i>A communication to him from abroad by Simon Labayen, of Matanzas, Cuba.</i> Provisional protection only.</p> |
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JUDE. 19th March 1864.	701. JOHN BEALE JUDE, of Watlingbury, near Maidstone, in the County of Kent, Brewer, for an invention for—"Improvements in presses or apparatus to be employed for pressing yeast and for other similar purposes." <i>Complete specification; protection for SIX months only</i>
BILLSON. 19th March 1864.	702. CHARLES BILLSON, of Leicester, for an invention for—"Improvements in woollen shirts and shirt fronts." <i>Provisional protection only.</i>
RIBOULET. LAPELOUZE. 19th March 1864.	703. PIERRE JOSEPH RIBOULET, and CÆSAR LAPELOUZE, both of No. 27, Rue Armeny, Marseilles, in the Empire of France, for an invention for—"Improvements in apparatus for maintaining in a horizontal plane tables, beds, sofas, pianos, billiard tables and other articles on ship board." <i>Provisional protection only.</i>
SEARLE. 19th March 1864.	704. THOMAS JOHN SEARLE, of No. 4, Darnley Road, Hackney, in the County of Middlesex, for an invention for—"Improvements in apparatus for cleaning and polishing boots and shoes." <i>Provisional protection only.</i>
ALBINSON. COLLIER. 21st March 1864.	705. JOHN HOUGHTON ALBINSON, of Bolton, in the County of Lancaster, Machine Maker, and JAMES COLLIER, of the same place, Mechanic, for an invention for—"Improvements in machinery for spinning, reeling and weaving." <i>Letters Patent sealed.</i>
MARTIN. WYLAM. 21st March 1864.	706. WILLIAM ARENA MARTIN, and EDWARD WYLAM, both of No. 18, Cannon Street, in the City of London, for an invention for—"Improvements in furnace or fire bars, and in mounting and giving motion to the same." <i>Letters Patent sealed.</i>
STEELE. 21st March 1864.	707. HENRY STEELE, of Jersey City, New Jersey, United States, now of No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in chimney cowl's."— <i>A communication to him from abroad by William Henry Horton, of Jersey City, New Jersey, United States of America.</i> <i>Provisional protection only.</i>
BORROWS. 21st March 1864.	708. EDWARD BORROWS, of Sutton, near St. Helen's, Lancashire, Engineer, for an invention for—"Improvements in pumps for lifting or moving liquids." <i>Letters Patent sealed.</i>
CHILDS. 21st March 1864.	709. AUGUSTUS BRYANT CHILDS, of 481, New Oxford Street, in the County of Middlesex, for an invention for—"Improvements in circular sawing machines."— <i>A communication to him from abroad by David Monro Childs, of Rochester, New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
BERGHAUS. 21st March 1864.	710. PETER BERGHAUS, of Wichlinghausen, near Barmen, in the Kingdom of Prussia, Manufacturer, for an invention for—"Improvements in the manufacture of ribbons and in the machinery or apparatus used in such manufacture." <i>Letters Patent sealed.</i>
REILLY. 21st March 1864.	711. JAMES REILLY, of the New Globe Mahogany Chair and Cabinet Works, Barrack Street, Hulme, Manchester, in the County of Lancaster, for an invention for—"Improvements in the manufacture of mahogany and other wood chairs, tables, couches, sofas and other similar articles of furniture." <i>Letters Patent sealed.</i>
MOISON. 21st March 1864.	712. FRANÇOIS THÉOPHILE MOISON, Chemist, of No. 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in machinery for cleansing cloths and other woollen fabrics." <i>Letters Patent sealed.</i>
MORGAN. 21st March 1864.	713. JOHN MORGAN, of Stephen's Green, Dublin, F.R.C.S.I., Professor of Anatomy, R.C.S.I., for an invention for—"Improvements in the preservation of animal and vegetable substances, and in the fluids to be employed therein." <i>Provisional protection only.</i>
HILL. 21st March 1864.	714. CALEB HILL, of Cheddar, in the County of Somerset, Gentleman, for an invention for—"An improvement in the manufacture of boots and shoes." <i>Letters Patent sealed.</i>
HUTCHINS. 21st March 1864.	715. HENRY EDWARD HUTCHINS, of Gilston, in the County of Hertford, for an invention for—"Improved breech-loading cannons or guns, and improved projectiles adapted to be used therewith, but capable of being used with other cannons or guns." <i>Provisional protection only.</i>

- FIRMIN.**
FIRMIN.
21st March 1864.
716. GEORGE FIRMIN, and CORNELIUS FIRMIN, both of Henley Rectory, near Ipswich, in the County of Suffolk, Manufacturers, for an invention for—"Improvements in heating the contents of vats or tanks and other receptacles in steeping flax and hemp."
Provisional protection only.
- McMORRAN.**
22nd March 1864.
717. JOSEPH McMORRAN, of No. 20, Old Street, Saint Luke's, in the County of Middlesex, Engineer, for an invention for—"An improved machine for cutting suet, which machine is also applicable for cutting other substances."
Letters Patent sealed.
- BENNIE.**
22nd March 1864.
718. JAMES BENNIE, junior, of Glasgow, in the County of Lanark, North Britain, Ironfounder and Engineer, for an invention for—"Improved apparatus for bending or straightening rods, bars, beams, frames and the like, and combined with punching, rivetting or shearing details."
Letters Patent sealed.
- LAWSON.**
LAWSON.
22nd March 1864.
719. JOHN LAWSON, Pattern Designer, and JOHN LAWSON, junior, Machinist, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in weaving and in apparatus therefor."
Letters Patent sealed.
- EFFERTZ.**
22nd March 1864.
720. PETER EFFERTZ, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery or apparatus for making bricks, tiles, pipes and other similar articles."
Provisional protection only.
- LESLIE.**
22nd March 1864.
721. JOHN LESLIE, of Conduit Street, Hanover Square, in the County of Middlesex, Esquire, for an invention for—"Improvements in apparatus for generating heat."
Letters Patent sealed.
- BOUSFIELD.**
22nd March 1864.
722. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus used with gun carriages."—*A communication to him from abroad by William Judson, a person resident at New York, in the United States of America.*
Letters Patent sealed.
- SHEPHERD.**
HOYLE.
22nd March 1864.
723. JAMES SHEPHERD, of the City of Manchester, Broker, and JAMES HOYLE, of Heywood, in the County of Lancaster, Manager, for an invention for—"Improvements in machinery for raising the nap on woven fabrics."
Letters Patent sealed.
- BERRISFORD.**
AINSWORTH.
22nd March 1864.
724. SAMUEL BERRISFORD, of Stockport, in the County of Chester, Machinist, and WILLIAM AINSWORTH, of the same place, Overlooker, for an invention for—"Certain improvements in looms for weaving."
Letters Patent sealed.
- HOWE.**
22nd March 1864.
725. WILLIAM HOWE, of Clay Cross, near Chesterfield, in the County of Derby, for an invention for—"Improvements in motive-power engines."
Letters Patent sealed.
- BARBER.**
22nd March 1864.
726. DAVID HENRY BARBER, of 149, Aldersgate Street, in the City of London, Agricultural Implement Maker, for an invention for—"Improvements in reaping and mowing machines, parts of which improvements are applicable to other agricultural implements."
Letters Patent sealed.
- EDIS.**
22nd March 1864.
727. JOHN EDIS, of 146, Shoreditch, in the County of Middlesex, Upholsterer, for an invention for—"An improved method of fastening table tops, without the aid of thumb screws."
Letters Patent sealed.
- ROUX.**
23rd March 1864.
728. FRANÇOIS LOUIS ROUX, of No. 12, Abingdon Street, Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, Lieutenant in the Imperial Navy and Officer of the Legion of Honour, for an invention for—"An improved plastic compound for the protection of metallic and non-metallic surfaces from the action of water, air, and other causes of deterioration."
Letters Patent sealed.
- DESFORGES.**
SONNET.
23rd March 1864.
729. HILAIRE DESFORGES, and EUGÈNE CHARLES SONNET, of No. 12, Abingdon Street, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"An improved gridiron for culinary purposes."
Provisional protection only.
- TOLHAUSEN.**
23rd March 1864.
730. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Civil Engineer and Patent Agent, for an invention for—"Improvements in smoothing and pressing irons, and apparatus for heating the same."—*A communication from Auguste François Dusautoy, Army Clothier, a person resident at Neuilly (Seine), Empire of France.*
Letters Patent sealed.

MOREL. 23rd March 1864.	731. AUGUSTIN MOREL, of Roubaix, in the department of the Nord, in the Empire of France, Manufacturer, for an invention for—"Improvements in machinery for combing filamentous materials." <i>Complete specification; Letters Patent sealed.</i>
MOREL. 23rd March 1864.	732. AUGUSTIN MOREL, of Roubaix, in the department of the Nord, in the Empire of France, Manufacturer, for an invention for—"Improvements in traction engines." <i>Complete specification; Letters Patent sealed.</i>
WINBY. WHARTON. 23rd March 1864.	733. WILLIAM EDWARD WINBY, of Atherstone, in the County of Warwick, Engineer, and WILLIAM WHARTON, of Birmingham, in the same County, Engineer, for an invention for—"Improvements in the manufacture or construction of springs for railway and other vehicles." <i>Letters Patent sealed; no specification filed.</i>
ROUTLEDGE. OMMANNEY. 23rd March 1864.	734. WILLIAM ROUTLEDGE, and FREDERICK FRANCIS OMMANNEY, of New Bridge Foundry, Salford, in the County of Lancaster, Engineers, for an invention for—"Certain improvements in presses for packing cotton and other fibrous materials, and in 'baling boxes' employed for the same purpose." <i>Letters Patent sealed.</i>
FORGIE. 23rd March 1864.	735. WILLIAM FORGIE, of Nottingham, in the County of Nottingham, Manufacturer, for an invention for—"Improvements in treating or preparing gutta-percha, leather or other materials, for the manufacture of boots and shoes, and for coverings for floors and other like purposes." <i>Provisional protection only.</i>
HEAD. SMITH. 23rd March 1864.	736. THOMAS HOWARD HEAD, of Stockton on Tees, in the County of Durham, Engineer, and HENRY SMITH, of the same place, Foreman, for an invention for—"Improvements in moulding and in machinery employed therein." <i>Letters Patent sealed.</i>
STRAFFORD. 23rd March 1864.	737. JOHN STRAFFORD, of Waddington Place, Stratford, in the County of Essex, Lamp Manufacturer, for an invention for—"Improvements in roof lamps of railway and other carriages." <i>Letters Patent sealed.</i>
LEUTY. 23rd March 1864.	738. WILLIAM LEUTY, of Lille, for an invention for—"A free and self-acting saddle for wet flax spinning frames." <i>Letters Patent sealed.</i>
TYERMAN. 23rd March 1864.	739. FREDERICK TYERMAN, of 38, Gracechurch Street, in the City of London, Architect and Surveyor, for an invention for—"Improvements in apparatus to be used in combination with parts of gas and lamp fittings." <i>Letters Patent sealed.</i>
COUCHMAN. 23rd March 1864.	740. GEORGE COUCHMAN, Partner in the firm of Hartley and Couchman, of Addle Street, in the City of London, Stock and Neck Tie Manufacturers, for an invention for—"Improvements in fastenings for stocks, neck-ties and other parts or articles of dress." <i>Provisional protection only.</i>
EDIS. 24th March 1864.	741. JOHN EDIS, of 146, Shoreditch, in the County of Middlesex, Upholsterer, for an invention for—"Fastening table tops without the aid of thumb screws." <i>Provisional protection NOT granted.</i>
WILD. WILD. 24th March 1864.	742. JAMES WILD, and JOSEPH WILD, of Dalton, near Huddersfield, in the County of York, Manufacturers, for an invention for—"Improvements in preparing and spinning wool and other fibrous substances." <i>Letters Patent sealed.</i>
WRIGHT. 24th March 1864.	743. ROBERT HOLMES WRIGHT, No. 6, Ingram Court, in the City of London, Manager of the General Iron Screw Collier Company, for an invention for—"An improvement in construction and arrangement for condensing by external surface the steam used in marine steam-engines." <i>Provisional protection only.</i>
LEAK. 24th March 1864.	744. ELIAS LEAK, of Longton, in the County of Stafford, Lathe-Maker, for an invention for—"Improved apparatus to be used in conducting messages, sounds or signals from one place to another." <i>Provisional protection only.</i>
GARTON. HILL. 24th March 1864.	745. CHARLES GARTON, of the City and County of Bristol, and THOMAS HILL, of the Town and County of the Town of Southampton, for an invention for—"Improvements in mashing apparatus." <i>Provisional protection only.</i>

- BARK.
ATTWOOD.
ROBINSON.
24th March 1864.
746. SAMUEL BARK, of Cranford Street, Smethwick, in the County of Stafford, Gas Fitter, THOMAS ATTWOOD, of Windmill Lane, Smethwick, aforesaid, Engineer, and JAMES DAVID ROBINSON, of Talbot Street, Birmingham, in the County of Warwick, File Smith, for an invention for—"Certain improvements in slides for gasaliers, as also in the means of regulating or stopping the flow of gas, parts of which improvements are also applicable to chandeliers where oil, camphine or other inflammable liquids are used for illumination."
Letters Patent sealed.
- STROUD.
24th March 1864.
747. JOHN THOMAS STROUD, of Birmingham, in the County of Warwick, Lamp and Chandelier Manufacturer, for an invention for—"Certain improvements in lamps for various purposes, and in the fittings and parts in connection with the same."
Letters Patent sealed.
- GEDGE.
24th March 1864.
748. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved aerial machine."—*A communication to him from abroad by Pierre Jacques Carmien, of No. 39, Faubourg Saint Martin, Paris, France.*
Provisional protection only.
- BLOUIN.
MERCIER.
24th March 1864.
749. ALFRED BLOUIN, of No. 79, Faubourg du Temple, Paris, Mechanician, and NICOLAS DIDIER MERCIER, Medical Doctor, of No. 10, Rue de Richelieu, Paris, aforesaid, for an invention for—"An improved axle-tree with levers."
Letters Patent sealed.
- ROBERTS.
24th March 1864.
750. WILLIAM ROBERTS, of Millwall, Poplar, in the County of Middlesex, Engineer, for an invention for—"Improvements in traction and hauling engines."
Provisional protection only.
- BARNES.
24th March 1864.
751. ISAAC BARNES, of Birmingham, in the County of Warwick, Glass Chandelier and Gas Globe Manufacturer, for an invention for—"Improvements in or additions to gasaliers and gas brackets."
Provisional protection only.
- MATHEWS.
24th March 1864.
752. SAMUEL MATHEWS, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms and in cartridges, and in converting breech-loading into muzzle-loading fire-arms."
Letters Patent sealed.
- TORREY.
24th March 1864.
753. WILLIAM AUGUSTUS TORREY, of No. 65, Beaver Street, New York, in the United States of America, for an invention for—"Improvements in lubricating the axles of railway carriages."—*A communication from Joseph Wood, a person resident at Red Bank, New Jersey, in the United States of America.*
Letters Patent sealed.
- BROOMAN.
26th March 1864.
754. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved method of and improved apparatus for revivifying animal black."—*A communication to him from abroad by Jean Baptiste Felix Trolliet, of Lyons, France.*
Letters Patent sealed.
- DUBOURG.
26th March 1864.
755. VICTOR DUBOURG, Doctor of Medicine, of Frankfort-on-Maine, Germany, for an invention for—"Improvements in gas burners."
Letters Patent sealed.
- CLARK.
26th March 1864.
756. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of hats and other coverings for the head, in imitation of the various kinds of straw."—*A communication to him from abroad by Louis Simonet, Merchant, of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- STAPLES.
26th March 1864.
757. ALFRED STAPLES, of Leicester, for an invention for—"Improvements in machinery for combing wool and other fibres."
Letters Patent sealed.
- RAMMELL.
26th March 1864.
758. THOMAS WEBSTER RAMMELL, of No. 11, Bridge Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in pneumatic railways and tubes, and the apparatus employed therewith."
Letters Patent sealed.
- WARBURTON.
26th March 1864.
759. JAMES WARBURTON, of Low Mills, Addingham, near Leeds, in the County of York, for an invention for—"Improvements in preparing silk and other waste, such as cop bottoms and hard spinning waste, which has been previously spun or had twist put into it."
Letters Patent sealed.

BOUSFIELD. 26th March 1864.	760. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in revolver fire-arms."— <i>A communication to him from abroad by Stephen Wood, a person resident at Cornwall, New York, United States of America.</i> <i>Provisional protection only.</i>
CLOUGH. 26th March 1864.	761. MOORE CLOUGH, of Whitby, in the County of York, Ship Owner, for an invention for—"Improvements in reefing and stowing sails." <i>Letters Patent sealed.</i>
LEVER. 26th March 1864.	762. ELLIS LEVER, of the City of Manchester, in the County of Lancaster, Manufacturer of Colliery Brattice Cloth and Flexible Tubing, for an invention for—"An improved mode or method of fixing hoops in the interior of flexible tubing employed in the ventilation of mines and other similar purposes." <i>Letters Patent sealed.</i>
SYMES. 26th March 1864.	763. JAMES SYMES, of Norfolk Street, Strand, in the County of Middlesex, for an invention for—"Improvements in locomotive apparatus or conveyances applicable to land and sea." <i>Letters Patent sealed.</i>
HILL. 28th March 1864.	764. EDWIN HILL, of Sheffield, in the County of York, Mechanic, for an invention for—"Improvements in the construction of armour plates." <i>Provisional protection only.</i>
KIRRRAGE. 28th March 1864.	765. WILLIAM KIRRRAGE, of No. 13, Gardener's Road, Victoria Park, in the County of Middlesex, Surveyor, for an invention for—"An improved breech-loading cannon protected from overheating, and capable of an immediate withdrawal of the exploded cartridge case."— <i>A communication to him from abroad by Mr. G. B. Naglosh, of Italy.</i> <i>Provisional protection NOT granted.</i>
PACE. 28th March 1864.	766. EDMUND PACE, of the firm of Tylor and Pace, of Queen Street, in the City of London, Manufacturers, for an invention for—"Improvements in machinery for placing splints and other like articles for the manufacture of matches on or in clamps or holders, preparatory to their being dipped or tipped with igniting composition." <i>Letters Patent sealed.</i>
HARTLEY. 28th March 1864.	767. CHARLES HARTLEY, of Salford, in the County of Lancaster, Mechanic, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
COULTER. BARBER. 28th March 1864.	768. JAMES COULTER, of Huddersfield, in the County of York, Mechanical Draughtsman, and JOSEPH ADDISON BARBER, of Brighouse, in the aforesaid County, Mechanical Engineer, for an invention for—"Improved machinery or apparatus for tentering, stretching and drying woollen or other textile fabrics." <i>Provisional protection only.</i>
LIGHTFOOT. 28th March 1864.	769. JOHN LIGHTFOOT, of Accrington, in the County of Lancaster, Chemist, for an invention for—"Improvements in dyeing and printing textile fabrics and yarns, and in fixing more permanently certain mordants thereon." <i>Letters Patent sealed.</i>
HENRY. 28th March 1864.	770. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for supplying air to persons employed under water, or in places where noxious gas, air or vapour prevails."— <i>A communication to him from abroad by Benoist Rouquayrol, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
SCOTT. 28th March 1864.	771. MICHAEL SCOTT, of No. 26, Parliament Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in constructing ships or vessels." <i>Provisional protection only.</i>
REES. 28th March 1864.	772. JOHN REES, of Machynlleth, in the County of Montgomery, North Wales, Watch and Clock Manufacturer, for an invention for—"Improvements in apparatus for the preservation of ships, life and property at sea and on inland waters." <i>Letters Patent sealed.</i>
ROBBINS. 29th March 1864.	773. JAMES ROBBINS, of Howley Street, Lambeth, in the County of Surrey, for an invention for—"New or improved methods of and apparatus for treating various liquid and solid substances for the production of artificial liquid manures, for separating oils and other liquids from solids, and preparing or treating the solid ingredients for dry manures, the said apparatus or parts thereof being applicable for filtering, decanting, carbonising, pumping, drying, evaporating and digesting generally." <i>Provisional protection only.</i>

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| <p>HARPUR.
29th March 1864.</p> <p>EVANS.
29th March 1864.</p> <p>GRETHER.
29th March 1864.</p> <p>HARRISON.
CLEMENTS.
29th March 1864.</p> <p>BRADFORD.
29th March 1864.</p> <p>NEWTON.
29th March 1864.</p> <p>HOLDEN.
FORSHAW.
29th March 1864.</p> <p>ARTHUR.
29th March 1864.</p> <p>HEALD.
29th March 1864.</p> <p>DOUGHTY.
29th March 1864.</p> <p>SMITH.
ROBERTS.
29th March 1864.</p> <p>TROTMAN.
29th March 1864.</p> <p>LANG.
30th March 1864.</p> <p>TREADWELL.
30th March 1864.</p> <p>ALLAN.
30th March 1864.</p> | <p>774. THOMAS BERNARD HARPUR, of Kildare, in Ireland, Clerk in Holy Orders, for an invention for—"An improved method of printing or representing musical characters and notes so as to facilitate the 'reading off' of a musical composition."
<i>Provisional protection only.</i></p> <p>775. ISAAC MARK EVANS, of Ruabon, in the County of Denbigh, Analytical Chemist, for an invention for—"Improvements in blasting for mining and other purposes, applicable also to discharging projectiles, and in the apparatus used in connection therewith."
<i>Provisional protection only.</i></p> <p>776. ERNEST GRETHER, of the City of Manchester, Merchant, for an invention for—"Certain improvements in carding-engines."—<i>A communication to him from abroad by Frederick Morf, of Wetzikon, in the Canton of Zurich, in the Republic of Switzerland.</i>
<i>Letters Patent sealed.</i></p> <p>777. SAMUEL HARRISON, of Birmingham, in the County of Warwick, Wine Merchant, and WILLIAM CLEMENTS, of Birmingham, aforesaid, Distiller, for an invention for—"Improvements in fire grates."
<i>Provisional protection only.</i></p> <p>778. THOMAS BRADFORD, of the Cathedral Steps, Manchester, in the County of Lancaster, and 63, Fleet Street, London, Washing Machine Manufacturer, for an invention for—"Improvements in churning and butter making machines."
<i>Provisional protection only.</i></p> <p>779. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"A new or improved machine for hulling grain."—<i>A communication to him from abroad by James Henry Thompson, of Hoboken, and John Hedges Lidgerwood, of Morristown, both in the State of New Jersey, United States of America.</i>
<i>Provisional protection only.</i></p> <p>780. HUGH HOLDEN, and ENOCH SAMUEL FORSHAW, of Preston, in the County Palatine of Lancaster, for an invention for—"Improvements in looms for weaving."
<i>Letters Patent sealed.</i></p> <p>781. WILLIAM ARTHUR, of Atherington, in the County of Devon, Commander in the Royal Navy, for an invention for—"An improvement in compasses."
<i>Provisional protection only.</i></p> <p>782. ARTHUR HEALD, of Sabden, Whalley, in the County of Lancaster, Cotton Spinner, for an invention for—"An improved composition for sizing yarns and threads."
<i>Letters Patent sealed.</i></p> <p>783. CHARLES DOUGHTY, of Lincoln, for an invention for—"Improvements in treating a product obtained in refining the oil of cotton seeds."
<i>Provisional protection only.</i></p> <p>784. HENRY SMITH, of Widnes Dock, near Warrington, in the County of Lancaster, Manager of the Limestone Crushing Mills, and EDWARD ROBERTS, of Widnes Dock, aforesaid, Millwright, for an invention for—"Improvements in machinery for breaking stones and minerals."
<i>Letters Patent sealed.</i></p> <p>785. SANDERS TROTMAN, of Albert Street, Camden Town, in the County of Middlesex Gentleman, for an invention for—"Improvements in self-extinguishing candle lamps."
<i>Letters Patent sealed.</i></p> <p>786. JOSEPH LANG, of Bolton-le-Moors, in the County of Lancaster, Manager, for an invention for—"Certain improvements in the ventilation of mines."
<i>Provisional protection only.</i></p> <p>787. DANIEL TREADWELL, of the City of Cambridge, in the County of Middlesex, and State of Massachusetts, one of the United States of America, for an invention for—"Improvements in constructing hoops to be used in the manufacture of cannon and other similar tubular or cylindrical structures."
<i>Letters Patent sealed.</i></p> <p>788. THOMAS ALLAN, of Preston Place, in the Township of Horton, in the Parish of Bradford, in the County of York, Mechanic, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> |
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BONNEVILLE.
30th March 1864.

789. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for "Improvements in the construction of railways."—*A communication to him from François Conrad Beaufays and Jean François Delchef, persons residing at Liège, in the Kingdom of Belgium.*
Complete specification; Letters Patent sealed.

WALLER.
30th March 1864.

790. THOMAS WALLER, of Fish Street Hill, in the City of London, Engineer, for an invention for—"Improvements in apparatus for heating air, and in valves for admitting heated and cold air and regulating the supply thereof."

Letters Patent sealed.

SMITH.
30th March 1864.

791. THOMAS JAMES SMITH, of Twickenham, in the County of Middlesex, for an invention for—"Improvements in the purification, distillation, rectification, evaporation, condensation, concentration and oxygenation of spirits and spirituous liquors, and in the apparatus employed therein, and in raising and forcing the same, parts of which are applicable to the manufacture of vinegar, to the raising and forcing of liquids, to the heating, cooling and oxygenating of beers and liquids, and to the construction of chimneys."—*A communication to him from abroad by François Haeck, of Brussels, Belgium.*
Letters Patent sealed.

DOUGLAS.
30th March 1864.

792. ROBERT DOUGLAS, of Nos. 21, and 23, New Bond Street, in the County of Middlesex, for an invention for—"Improvements in combs and brushes."

Letters Patent sealed.

WILLIAMSON.
30th March 1864.

793. JAMES WILLIAMSON, of Lancaster, in the County of Lancaster, for an invention for—"Improvements in the manufacture of leather cloth, oiled table covers and other oiled fabrics."

Letters Patent sealed.

DOUGLAS.
30th March 1864.

794. ROBERT DOUGLAS, of Nos. 21, and 23, New Bond Street, in the County of Middlesex, for an invention for—"Improvements in rotatory hair brushes."

Letters Patent sealed.

NEWTON.
30th March 1864.

795. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery or apparatus for boring rocks or hard substances."—*A communication to him from abroad by Nicolas Joseph Jacques, aîné, of Rue St. Sébastien, Paris, in the Empire of France.*
Letters Patent sealed.

FERGUSON.
LATTIMER.
30th March 1864.

796. ROBERT FERGUSON, of Holme Head Works, near Carlisle, in the County of Cumberland, Bleacher, Dyer and Finisher, and WILLIAM LATTIMER, of Holme Head Works, aforesaid, Manager, for an invention for "Improvements in beetling or finishing textile fabrics, and in the machinery, apparatus or means employed therein."

Letters Patent sealed.

BAYLEY.
NEWTON.
GREAVES.
30th March 1864.

797. HENRY BAYLEY, of Stalybridge, Cotton Manufacturer, LEOPOLD NEWTON, of Oldham, Cotton Spinner, and JOHN GREAVES, of Stalybridge, Manager, all in the County of Lancaster, for an invention for—"Improvements in machinery for turning, boring, cutting, shaping and reducing wood and other substances, applicable to the manufacture of various articles."

Letters Patent sealed.

MARTIN.
HODGSON.
31st March 1864.

798. WILLIAM MARTIN, of the City of Manchester, Manager, and JOSEPH HODGSON, of the same place, Engineer, for an invention for—"Certain improvements in steam-engines."

Letters Patent sealed.

KURTS.
31st March 1864.

799. MANILIAS KURTS, of 177, City Road, in the County of Middlesex, Umbrella and Fancy Stick Manufacturer, for an invention for—"A new mode of attaching and applying an almanack or a thermometer to the handles or other parts of walking sticks, and to the handles or sticks of umbrellas, sun shades and other similar articles."

Provisional protection only.

FERRIS.
CORNISH.
31st March 1864.

800. JOHN PARDOE FERRIS, and KENNETH HENRY CORNISH, both of No. 1, Lawrence Pountney Hill, in the City of London, for an invention for—"Improvements in signalling by means of fluid pressure."

Provisional protection only.

BECKTON.
31st March 1864.

801. JAMES GEORGE BECKTON, of Whitby, in the County of York, Civil Engineer, for an invention for—"Improvements in engines or machinery for forcing, blowing or exhausting air and other gaseous fluids."

Letters Patent sealed.

PRESTWICH.
BROOKS.
31st March 1864.

802. JOHN PRESTWICH, the younger, of Farnworth, in the County of Lancaster, and WILLIAM BROOKS, of the same place, for an invention for—"Improvements in drawing and other frames used in preparing cotton or other fibrous materials to be spun."
Letters Patent sealed.

MILLS.
31st March 1864.

803. HENRY HOHLING MILLS, of Norfolk Cottage, Wellington Road, Bromley, in the County of Middlesex, Marine Superintendent, for an invention for—"Improvements in constructing the joints for iron or steel plates employed in ship building, and other purposes where water tight joints are required."
Letters Patent sealed.

HOLBROOK.
31st March 1864.

804. WILLIAM HOLBROOK, of Duke Street, Bloomsbury, in the County of Middlesex, for an invention for—"Improvements in apparatus for hair-brushing."
Letters Patent sealed.

HOLBROOK.
31st March 1864.

805. WILLIAM HOLBROOK, of Duke Street, Bloomsbury, in the County of Middlesex, for an invention for—"Improvements in window-sashes."
Letters Patent sealed.

BROOMAN.
31st March 1864.

806. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in gas generating apparatus."—*A communication to him from abroad by Eugene Frederic Alexandre Goguel, of Audincourt, France.*
Provisional protection only.

STOTT.
1st April 1864.

807. ELIJAH STOTT, of Monks Coppenhall, in the County of Chester, Manager of Works, for an invention for—"Improvements in the manufacture of rails for railways, which improvements may also be applied to the manufacture of bars for the tyres of railway wheels, and for other purposes to which the said bars are or may be applicable."
Letters Patent sealed.

BICKERTON.
1st April 1864.

808. JOSEPH BICKERTON, of Oldham, in the County of Lancaster, Engineer and Machinist, for an invention for—"Improvements in engines for carding cotton and other fibrous materials."
Letters Patent sealed.

HICKS.
1st April 1864.

809. JAMES HICKS, of Hatton Garden, in the County of Middlesex, Meteorological Instrument Maker, for an invention for—"An improved maximum mercurial thermometer."
Letters Patent sealed.

BULLOUGH.
1st April 1864.

810. JOHN BULLOUGH, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.

GREENWOOD.
1st April 1864.

811. JAMES GREENWOOD, of Oldham, in the County of Lancaster, Engine Driver, for an invention for—"Improvements in machinery or apparatus for preparing and spinning fibrous materials."
Provisional protection only.

PRINCE.
1st April 1864.

812. ALEXANDER PRINCE, of the Office for Patents, 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the means of generating steam and in the apparatus to be employed therein."—*A communication to him from abroad by John Livingstone Linton, resident at Burlington County, State of New Jersey, United States of America.*
Letters Patent sealed.

AMBROSE.
1st April 1864.

813. EDWARD AMBROSE, of Burnard Terrace, Cornwall Place, Holloway, in the County of Middlesex, for an invention for—"Improvements in the manufacture of umbrellas."
Provisional protection only.

COLTMAN.
1st April 1864.

814. THOMAS COLTMAN, of Leicester, Machinist, for an invention for—"Improvements in circular knitting machines."
Letters Patent sealed.

NEWTON.
1st April 1864.

815. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in looms for weaving hats and other articles of irregular shape."—*A communication to him from abroad by Almet Reed, of New York City, United States of America.*
Letters Patent sealed.

SANDERSON.
1st April 1864.

816. CHARLES SANDERSON, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the manufacture of armour plates."
Letters Patent sealed.

LUNDY. IRVINE. 1st April 1864.	817. JOHN JAMES LUNDY, of Leith, in the County of Mid-Lothian, North Britain, Colour and Chemical Manufacturer, F.G.S., and ROBERT IRVINE, of Magdalen Chemical Works, Musselburgh, in the County of Mid-Lothian, North Britain, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of paper." <i>Letters Patent sealed.</i>
MACRAE. 1st April 1864.	818. ARCHIBALD MACRAE, of the Priory, Kemerton, in the County of Gloucester, M.D., for an invention for—"Improvements in machinery or apparatus to be employed for tilling and cultivating land." <i>Provisional protection only.</i>
SILVER. 2nd April 1864.	819. STEPHEN WILLIAM SILVER, of 4, Bishopsgate Street Within, in the City of London, Manufacturer, for an invention for—"Certain machinery for extracting the juice of the sapota mulleri or bullet tree."— <i>A communication to him from abroad by John Thornborrow Manifold, of Demerara, British Guiana, Esquire.</i> <i>Provisional protection only.</i>
SILVER. 2nd April 1864.	820. STEPHEN WILLIAM SILVER, of 4, Bishopsgate Street Within, in the City of London, Manufacturer, for an invention for—"The preparation of the milk, gum or juice of the sapota mulieri or bullet tree."— <i>A communication to him from abroad by John Thornborrow Manifold, of Demerara, British Guiana, Esquire.</i> <i>Provisional protection only.</i>
HUNT. 2nd April 1864.	821. JOHN HUNT, of Houndsditch, in the County of Middlesex, for an invention for—"An improved instrument or 'tell tale' for registering the time of arrival and departure of work people in houses of business and manufactories." <i>Letters Patent sealed.</i>
CAPPER. 2nd April 1864.	822. JASPER CAPPER, of Waterloo, near Liverpool, in the County of Lancaster, Accountant, for an invention for—"Improved means or apparatus for curing smoky chimnies." <i>Letters Patent sealed.</i>
WALKER. 2nd April 1864.	823. JOHN WALKER, of the City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in working guns and matters relating thereto." <i>Provisional protection only.</i>
FITZMAURICE. 2nd April 1864.	824. The Honorable JAMES TERENCE FITZMAURICE, of Southsea, in the County of Hants, Lieutenant Royal Navy, for an invention for—"Improvements in rudders." <i>Provisional protection only.</i>
LINDNER. 2nd April 1864.	825. EDWARD LINDNER, of New York, in the United States of America, now temporarily residing at Hamburg, Engineer, for an invention for—"Improvements in springs applicable for railway carriages, buffers and other similar purposes." <i>Letters Patent sealed.</i>
CALLCOTT. 2nd April 1864.	826. WILLIAM CALLCOTT, of Park Village East, in the County of Middlesex, Scenic Artist, for an invention for—"Improved means or apparatus for producing scenic effects." <i>Letters Patent sealed.</i>
EDWARDS. 2nd April 1864.	827. RICHARD JOHN EDWARDS, of Bow, in the County of Middlesex, Emery Manufacturer, for an invention for—"Improvements in the mode of toughening papers and other substances to render them suitable for the application of abrasive substances and for other purposes, and in apparatus used in such manufacture." <i>Letters Patent sealed.</i>
PAROD. 2nd April 1864.	828. ERNEST ULYSSE PAROD, of Paris, in the Empire of France, Engineer, for an invention for—"Improvements in feeding steam generators, applicable also to the condensation of steam and the production of vacuum." <i>Letters Patent sealed.</i>
POTTS. GREEN. 2nd April 1864.	829. FERDINAND POTTS, Tube Manufacturer, of Birmingham, in the County of Warwick, and ALFRED HENRY GREEN, Artist, of Solihull Lodge, near Shirley Street, also in the County of Warwick, for an invention for—"A new or improved combination easel, and which easel may form a portable stand for music or other purposes." <i>Provisional protection only.</i>
HEAD. 2nd April 1864.	830. THOMAS HOWARD HEAD, of the Teesdale Iron Works, Stockton-on-Tees, Engineer, for an invention for—"Improvements in the construction of reservoirs." <i>Provisional protection only.</i>

- RICHARD.**
2nd April 1864.
831. THEODORE RICHARD, of Dusseldorf, in the Kingdom of Prussia, for an invention for—"Improvements in apparatus for warming and ventilating."
Provisional protection only.
- TISDALE.**
2nd April 1864.
832. CHARLES DARWIN TISDALE, of the State of Massachusetts, of the United States of America, for an invention for—"Improvements in railways and the carriages thereof."
Complete specification; Letters Patent sealed.
- NEWTON.**
2nd April 1864.
833. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in electric or telegraphic conductors."—*A communication to him from abroad by Adrien Holtzman, of the Hague, in the Kingdom of Holland.*
Letters Patent sealed.
- COOKE.**
4th April 1864.
834. LEONARD COOKE, of Horwich, in the County of Lancaster, Paper Manufacturer, for an invention for—"Improvements in the manufacture of paper."
Letters Patent sealed.
- BRIGGS.**
4th April 1864.
835. THOMAS BRIGGS, junior, of the City of Manchester, Canvas Manufacturer, for an invention for—"Improvements in apparatus to be used for pumping water out of mines and other places."—*A communication to him from abroad by Edward Jones, of Bombay, in the East Indies.*
Provisional protection only.
- STEPHENSON.**
4th April 1864.
836. GEORGE ROBERT STEPHENSON, of Great George Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the method of levelling for and forming the foundations either under or above water, for cylinders, piers, sea or river walls, and dams for bridges and other structures."
Provisional protection only.
- SMITH.**
4th April 1864.
837. JOHN SMITH, of the City of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms or machinery for weaving cords and other fabrics."
Letters Patent sealed.
- BROWN.**
4th April 1864.
838. THOMAS BROWN, of Weymouth, in the County of Dorset, Engineer, for an invention for—"Improvements in military and other knapsacks or cases, applicable as garments or receptacles for the body, and in combination with other appliances as mattresses, hammocks, life buoys, pontoons, tents and coverings for troops and others in the field or camp, and for the protection of bodies generally from exposure to the atmosphere."
Letters Patent sealed.
- BOURNE.**
4th April 1864.
839. THEODORE BOURNE, of the City, County, and State of New York, United States of America, for an invention for—"Improvements in cotton gins."—*A communication to him from abroad by John Stevens, of the City, County, and State of New York, United States of America, the inventor.*
Letters Patent sealed.
- NEWTON.**
4th April 1864.
840. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of paddle wheels."—*A communication to him from abroad by John Merlett, of Bound Brook, in the State of New Jersey, United States of America.*
Provisional protection only.
- MARTIN.**
YOUNG.
5th April 1864.
841. STEPHEN MARTIN, the younger, of Sheffield, in the County of York, Iron Merchant, and EDWARD YOUNG, of Oughtibridge, near Sheffield, aforesaid, Fire Brick Manufacturer, for an invention for—"Improvements in the manufacture and application of fire resisting cements and materials."
Provisional protection only.
- DUTTON.**
5th April 1864.
842. EDWARD KENWORTHY DUTTON, of Sale, in the County of Chester, Mechanical Engineer, for an invention for—"Certain improvements in apparatus for coating or covering the surfaces of rollers or cylinders with leather or other materials."
Letters Patent sealed.
- SARONY.**
5th April 1864.
843. NAPOLEON SARONY, of 188, Broad Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in photography."
Provisional protection only.
- ROBERTS.**
5th April 1864.
844. JAMES ROBERTS, of Cheapside, in the City of London, Gentleman, for an invention for—"Improvements in the construction of chains for cables, coupling irons and other purposes."
Provisional protection only.

DOUGLASS.
5th April 1864.

845. JAMES NICHOLAS DOUGLASS, of Dulwich, in the County of Surrey, for an invention for—"Improvements in constructing or framing lighthouses, hollow metal piles and cylinders, and in framing other metal structures."

Letters Patent sealed.

ROBERTS.
5th April 1864.

846. MARTYN JOHN ROBERTS, of Pendarren, near Crickhowell, in the County of Brecknock, Esquire, for an invention for—"Improvements in apparatus for preparing, spinning, twisting and doubling wool, cotton and other fibrous substances."

Provisional protection only.

McLAINE.
5th April 1864.

847. ALEXANDER McLAINE, of Belfast, in the County of Antrim, Ship Builder, for an invention for—"Improvements in the construction and ventilation of ships and vessels."

Letters Patent sealed.

BROOMAN.
5th April 1864.

848. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of artificial fuel."—*A communication to him from abroad by François Celestin Armelin, of Paris, France.*

Provisional protection only.

CORNISH.
5th April 1864.

849. GEORGE BISHOP CORNISH, of New York, in the United States of America, Master Mariner, for an invention for—"Improvements in applying copper, 'yellow metal' or other metal sheathing, to iron ships and other navigable vessels built of iron."

Provisional protection only.

PLATT.
SPENCER.
DODD.
5th April 1864.

850. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, ELI SPENCER, of the same place, Mechanical Engineer, and JOHN DODD, of the same place, Mechanical Engineer, for an invention for—"Improvements in mules for spinning and doubling cotton, wool and other fibrous materials."

Letters Patent sealed.

CLARK.
5th April 1864.

851. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improvement in cartridge boxes and percussion cap pouches."—*A communication to him from abroad by Robert Augustus Chesebrough, Merchant, of New York City, United States of America.*

Letters Patent sealed.

JOHNSON.
5th April 1864.

852. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in stoking shovels and in the furnaces with which such shovels are to be employed."—*A communication to him from abroad by Lars Albert Léonard Soderström, of Paris, in the Empire of France, Draughtsman.*

Provisional protection only.

CHATTAWAY.
6th April 1864.

853. EDWIN DANIEL CHATTAWAY, of 1, New Broad Street, in the City of London, Civil Engineer, for an invention for—"Improvements in railway signals."

Provisional protection only.

STEWART.
6th April 1864.

854. DUNCAN STEWART, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for calendering, mangling or finishing."

Provisional protection only.

CLARK.
6th April 1864.

855. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in oil cans or lubricating vessels."—*A communication to him from abroad by Jules De la Coux-Desrozeaux, Merchant, of 29, Boulevard St. Martin, Paris.*

Letters Patent sealed.

HUGHES.
6th April 1864.

856. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved controlling apparatus for registering the quantity and quality of alcohol obtained in distilleries."—*A communication to him from abroad by Traugott Glaeser, of Brieg, and Ernst Hofmann, of Breslau, Silesia, Prussia.*

Letters Patent sealed.

LIGHTFOOT.
6th April 1864.

857. JOHN LIGHTFOOT, of Accrington, in the County of Lancaster, Chemist, for an invention for—"Improvements in sizing textile fabrics and yarns."

Provisional protection only.

NICHOLS.
6th April 1864.

858. JOHN NICHOLS, of Pendleton, in the County of Lancaster, Manager, for an invention for—"Improvements in looms for weaving."

Provisional protection only.

- HUGHES.**
6th April 1864. 859. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of printed woollen velvets or plushes."—*A communication to him from abroad by Alphonse Mermet and Joseph Cornaton, of Lyons, in the Empire of France.*
Provisional protection only.
- FULLER.**
6th April 1864. 860. HENRY GEORGE FULLER, of Stapleford, in the County of Essex, for an invention for—"Improved mechanism applicable to the general purposes of propulsion."
Provisional protection only.
- PRATT.**
6th April 1864. 861. WILLIAM THOMAS CASSEL PRATT, of Newport, in the County of Monmouth, Surgeon, for an invention for—"A new method of and apparatus for enabling the points on railways to be shifted and signals worked by an attendant in the train, while the train is in motion."
Letters Patent sealed.
- SMITH.**
6th April 1864. 862. GEORGE SMITH, the younger, of No. 11, Coburgh Place, Upper Kennington Lane, in the County of Surrey, Engineer, for an invention for—"Improvements in rotatory engines."
Letters Patent sealed.
- JOHNSON.**
6th April 1864. 863. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the permanent way of railways."—*A communication to him from abroad by Miguel De Bergue, of Barcelona, in the Kingdom of Spain.*
Letters Patent sealed.
- DOUGLAS.**
6th April 1864. 864. ROBERT DOUGLAS, of Nos. 21, and 23, New Bond Street, in the County of Middlesex, for an invention for—"Improvements in apparatus to be used in cutting hair."
Letters Patent sealed.
- SHARP.**
7th April 1864. 865. JOSEPH FOX SHARP, of the Town or Borough of Kingston-upon-Hull, in the County of the same Town or Borough, Civil Engineer, for an invention for—"An improved trap for gullies, sinks and drains generally."
Letters Patent sealed.
- HILL.**
7th April 1864. 866. WILLIAM HILL, of Aston, near Birmingham, in the County of Warwick, Gun Finisher, for an invention for—"Improvements in breech-loading fire-arms."
Provisional protection only.
- WEINTRAUD.**
7th April 1864. 867. FREDERICK WEINTRAUD, of Aldermanbury, in the City of London, Merchant, for an invention for—"An improved method of ornamenting steel and wrought iron, especially applicable to the ornamenting of purse, bag and other like frames."—*A communication to him from abroad by Christian Weintraud, junior, of Offenbach, Hesse Darmstadt.*
Letters Patent sealed.
- LEFFLER.**
7th April 1864. 868. CARL JOHAN LAURENCE LEFFLER, of Broad Street Buildings, in the City of London, Gentleman, for an invention for—"Improved apparatus for grinding or pulverizing minerals and other substances, and mixing or amalgamating the same with oleaginous and other liquids."
Provisional protection only.
- SNIDER.**
7th April 1864. 869. JACOB SNIDER, junior, of Great Carter Lane, in the City of London, Merchant, for an invention for—"Improvements in breech-loading ordnance and projectiles."
Letters Patent sealed.
- ALDIS.**
7th April 1864. 870. ELIJAH ALDIS, of 30, Arthur Grove, Kentish Town, in the County of Middlesex, for an invention for—"An improved apparatus for burning magnesium wire for illuminating purposes."
Provisional protection only.
- ADAMS.**
7th April 1864. 871. WILLIAM BRIDGES ADAMS, of Holly Mount, Hampstead, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction and propulsion of vessels."
Provisional protection only.
- BONNEVILLE.**
7th April 1864. 872. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in apparatus for cleaning tubular steam-boilers."—*A communication from Eugene Petry Chaudoir, a person residing at Liege, in the Kingdom of Belgium.*
Provisional protection only.
- JOHNSON.**
7th April 1864. 873. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in hooped skirts or crinolines."—*A communication to him from abroad by Madame Pauline Sebaut, of Paris, in the Empire of France.*
Provisional protection only.

RIGG. 7th April 1864.	874. ARTHUR RIGG, junior, of the City of Chester, Engineer, for an invention for—"Improvements in apparatus for propelling vessels." <i>Letters Patent sealed.</i>
BEARD. 7th April 1864.	875. CHARLES BEARD, of Bury St. Edmunds, in the County of Suffolk, Esquire, for an invention for—"Improvements in glazing horticultural and other structures." <i>Letters Patent sealed.</i>
RICHARDSON. 7th April 1864.	876. JOSEPH STRANGMAN RICHARDSON, of Waterford, Ireland, for an invention for—"Improvements in preparing the carcases of pigs and other animals for curing." <i>Letters Patent sealed.</i>
PICKING. 8th April 1864.	877. JOHN PICKING, of Spitalfields, N.E., Coppersmith, for an invention for—"Improvements in refrigerators or apparatus for refrigerating or cooling wort and other liquids." <i>Letters Patent sealed.</i>
MOSELEY. 8th April 1864.	878. DAVID MOSELEY, of the Chapel Field Works, Ardwick, in the City of Manchester, Manufacturer of India-Rubber and Gutta-Percha, for an invention for—"Improvements in the manufacture of cloths composed of woven or felted fabrics or fibrous substances combined with india-rubber, gutta-percha or balata, or any of their compounds." <i>Letters Patent sealed.</i>
LASCELLES. 8th April 1864.	879. JOHN LASCELLES, of Slingsby, in the County of York, Gentleman, for an invention for—"Improvements in regulating the flow and surface level of water from reservoirs or other receptacles." <i>Provisional protection only.</i>
FERGUSON. FERGUSON. 8th April 1864.	880. CHARLES AUGUSTUS FERGUSON, the younger, and THOMAS FERGUSON, of Millwall, Poplar, Gun Carriage Manufacturers, for an invention for—"Improvements in apparatus for checking the recoil of gun carriages." <i>Letters Patent sealed.</i>
WOOD. STOCKLEY. 8th April 1864.	881. NICHOLAS WOOD, of Hetton Hall, in the County of Durham, Coal Owner, and JOSEPH STOCKLEY, of the Town and County of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in machinery for grinding, smoothing and polishing plate glass." <i>Letters Patent sealed.</i>
PRATT. 8th April 1864.	882. EDWARD PRATT, of No. 37, Old Bond Street, in the Parish of Saint George, Hanover Square, in the County of Middlesex, Trunk Maker, for an invention for—"Improvements in the construction of portmanteaus, boxes or travelling cases." <i>Letters Patent sealed.</i>
GOODWIN. 8th April 1864.	883. FRANCIS CORNELIUS GOODWIN, of Liverpool, Doctor of Medicine, for an invention for—"Certain improvements in 'sights' for small arms and ordnance." <i>Letters Patent sealed.</i>
FENBY. 8th April 1864.	884. JOSEPH BEVERLEY FENBY, of the City of Worcester, Mechanical Engineer, for an invention for—"Improvements in buckles." <i>Provisional protection only.</i>
LLOYD. 8th April 1864.	885. JOHN LLOYD, of Donnington, in the County of Shropshire, Engineer to the Littlehall Iron Company, for an invention for—"Improvements in puddling iron." <i>Provisional protection only.</i>
THATCHER. 8th April 1864.	886. ROBERT THATCHER, of Brook Mills, Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in lubricating machinery for preparing, spinning and doubling cotton and other fibrous substances." <i>Letters Patent sealed.</i>
CLARK. 8th April 1864.	887. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in preparing or treating vegetable fibrous materials."— <i>A communication to him from abroad by Hubert Dupré, Gentleman, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
MARTIN. 8th April 1864.	888. THOMAS SHANNON MARTIN, of North Wall, in the City of Dublin, Merchant, for an invention for—"Improvements in machinery for cutting, shaping and ornamenting wood, ivory or other materials."— <i>A communication to him from abroad by William Whitney, of Winchendon, Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
RODGER. 8th April 1864.	889. ALEXANDER RODGER, of the firm of Rodger, Best and Co., of Liverpool, for an invention for—"Improvements in rotatory pumps."— <i>A communication to him from abroad by Richard Newton, a person resident at Buenos Ayres.</i> <i>Letters Patent sealed.</i>

- SIMPSON.
8th April 1864. 890. MILES SIMPSON, of Danebridge, Wincle, near Macclesfield, Manufacturer, for an invention for—"Improved apparatus for covering elastic and other strands." *Provisional protection only.*
- JORDAN.
8th April 1864. 891. JOHN JORDAN, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of surface condensers." *Provisional protection only.*
- HOWELL.
9th April 1864. 892. JAMES HOWELL, of 30, Cock Lane, in the City of London, Wholesale Stationer, for an invention for—"Improvements in machinery for hammering and planishing metal plates." *Letters Patent sealed.*
- SIMPSON.
9th April 1864. 893. JOHN HAWKINS SIMPSON, of Kilmeena, near Westport, in Ireland, Esquire, for an invention for—"Certain improvements in printing from type by electricity." *Letters Patent sealed.*
- BENSON.
9th April 1864. 894. MARTIN BENSON, of 14, Hinde Street, Manchester Square, London, for an invention for—"Improvements in pumps for ships and other purposes."—*A communication to him from abroad by Thomas Hansbrow, of the City and County of Sacramento, in California, in the United States of America.* *Provisional protection only.*
- NISBET.
9th April 1864. 895. JOHN NISBET, of Coatbridge, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in getting or cutting minerals and in apparatus therefor." *Letters Patent sealed.*
- DODGE.
9th April 1864. 896. JAMES DODGE, of Waterford, Saratoga County, State of New York, United States of America, Engineer, at present residing at Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for rolling, shaping and forging metals." *Letters Patent sealed.*
- BROWN.
9th April 1864. 897. ANDREW BETTS BROWN, of No. 13, Cannon Street, in the City of London, for an invention for—"Improvements in machinery for raising weights." *Letters Patent sealed.*
- RICHARD.
9th April 1864. 898. BENOIT XAVIER RICHARD, and RAYMOND RADISSON, residing in Lyons, France, No. 7, Rue de la Préfecture, for an invention for—"Improvements in the manufacture of gold and silver wire." *Letters Patent sealed.*
- THOMPSON.
9th April 1864. 899. JACOB BAYNES THOMPSON, of No. 3, Rothwell Street, Regent's Park Road, in the County of Middlesex, for an invention for—"Improvements in electro-magnetic induction machines." *Letters Patent sealed.*
- DRONKE.
11th April 1864. 900. ERNEST DRONKE, of Oldhall Street, in Liverpool, in the County of Lancaster, Merchant and Agent to the Huelva Mining Company, for an invention for—"A new mode of manufacturing gunpowder suitable for war, mining and general purposes."—*A communication to him from abroad by Edward Schultze, of Potsdam, in the Kingdom of Prussia, a Captain in the Prussian Royal Artillery.* *Complete specification; Letters Patent sealed.*
- GRIMMETT.
11th April 1864. 901. THOMAS GRIMMETT, Miller, 4, Upper Ground Place, Upper Ground Street, Blackfriars, Surrey, for an invention for—"Washing, cleansing and drying every description of grain, and in apparatus for such purpose." *Provisional protection only.*
- BECKS.
11th April 1864. 902. ARTHUR THOMAS BECKS, of Birmingham, in the County of Warwick, Iron Master, for an invention for—"Improvements in furnaces for steam-boilers." *Provisional protection only.*
- SMITH.
11th April 1864. 903. AUGUSTUS SMITH, of Stratford, in the County of Essex, Manufacturer, for an invention for—"Improvements in lamps." *Provisional protection only.*
- GEDGE.
11th April 1864. 904. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means of and apparatus for condensing steam."—*A communication to him from abroad by Jean François Maumené, of Choisy le Roi, France, and Alfred Dalifol, of Paris, France.* *Letters Patent sealed.*
- JONES.
11th April 1864. 905. THOMAS CUTLER JONES, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in ships' anchors."—*A communication to him from abroad by Charles Edgar Marshall, of Digby, Nova Scotia.* *Letters Patent sealed.*

TODD. 11th April 1864.	906. MATTHEW TODD, of the firm of John Todd and Sons, of Bradford, in the County of York, Machine Wool Combers, for an invention for—"Improvements in machinery or apparatus for combing wool or other fibrous substances." <i>Provisional protection only.</i>
EARNSHAW. 11th April 1864.	907. ALFRED EARNSHAW, of Sheffield Park, Sheffield, in the County of York, Commercial Traveller, for an invention for—"Improved means of connecting rails for railways, which means are also applicable for connecting beams and girders, and for other similar purposes." <i>Provisional protection only.</i>
FERRIER. 11th April 1864.	908. JOSEPH FERRIER, of Dundee, in the County of Forfar, in that part of the United Kingdom called Scotland, Flax Inspector, for an invention for—"Improvements in preparing jute and other fibrous substances for hackling, teasing, spinning and other purposes." <i>Letters Patent sealed.</i>
MENNONS. 12th April 1864.	909. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in the mode of and machinery for applying pressure to the rolling and drawing of metals."— <i>A communication from Eugène Joseph Lacroix, a person resident at Batignolles, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
PIGOU. 12th April 1864.	910. FREDERICK ALEXANDER PRESTON PIGOU, of 34, Throgmorton Street, City of London, Gunpowder Manufacturer, for an invention for—"Improvements in the construction of powder flasks." <i>Letters Patent sealed.</i>
PIÉMONT. 12th April 1864.	911. FREDERIC GUILLAUME PIÉMONT, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Moulder, for an invention for—"Improvements in oil boxes used for oiling the axletrees of railway carriages." <i>Provisional protection only.</i>
KEMP. 12th April 1864.	912. ROBERT ALEXANDER KEMP, of Dudley Grove, Paddington, W., for an invention for—"Improvements in apparatus or instruments employed for assisting or aiding in the tuning of pianofortes and other keyed musical instruments." <i>Provisional protection only.</i>
CHAMBERLAYNE. 12th April 1864.	913. THOMAS CHAMBERLAYNE, of Cranbury Park, near Winchester, Hampshire, Esquire, for an invention for—"Improvements in safety hooks and couplings for connecting railway engines and carriages, and for other similar purposes." <i>Letters Patent sealed.</i>
LILLIE. 12th April 1864.	914. JOSEPH LILLIE, of the City of Manchester, Engineer, for an invention for—"Improvements in cocks or taps for measuring fixed quantities of liquids and for registering or indicating the same." <i>Letters Patent sealed.</i>
PETERS. HARKES. 12th April 1864.	915. MATTHEW LANGTREE PETERS, of Stockport, and WILLIAM HARKES, of Lostock Gralam, both in the County of Chester, Agricultural Implement Makers, for an invention for—"Improvements in machinery for mowing and reaping." <i>Letters Patent sealed.</i>
ALLIOTT. 12th April 1864.	916. JAMES BINGHAM ALLIOTT, of the Town of Nottingham, Gentleman, for an invention for—"Improvements in ploughs." <i>Provisional protection only.</i>
CLARK. 12th April 1864.	917. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for transmitting and multiplying motive-power."— <i>A communication to him from abroad by Edouard-de-Zalleux, Mechanician, and Jean Baptiste Baff, Merchant, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
FRASER. SQUIRE. 12th April 1864.	918. ALEXANDER JOHN FRASER, of Water Lane, in the City of London, Merchant, and FREDERICK SQUIRE, of President Place, Clerkenwell, in the County of Middlesex, Machinist, for an invention for—"Improvements in stamping, marking and punching vamps, toe-caps and other parts of boots and shoes, and in the construction of apparatus for the same." <i>Letters Patent sealed.</i>
GADD. 12th April 1864.	919. WILLIAM GADD, the younger, of the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture of looped fabrics." <i>Letters Patent sealed.</i>

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| <p>LEA.
LEA.
12th April 1864.</p> | <p>920. HENRY LEA, of Birmingham, in the County of Warwick, Civil Engineer, and JOHN WALFORD LEA, of Birmingham, aforesaid, Sharebroker, for an invention for—"An improved method or methods of securing the lids of coal-cellar holes, which said method or methods may be applicable to the closing of other like apertures."
<i>Provisional protection only.</i></p> |
| <p>WILSON.
12th April 1864.</p> | <p>921. WILLIAM NEWTON WILSON, of No. 144, High Holborn, in the County of Middlesex, for an invention for—"Improvements in machinery for sewing, stitching and embroidering."—<i>A communication to him from abroad by Charles Goodwin, of No. 6, Faubourg Montmartre, Paris, France.</i>
<i>Complete specification: protection for six months only</i></p> |
| <p>CHARLES.
12th April 1864.</p> | <p>922. HORACE CHARLES, of Sydney Terrace, in the County of Surrey, Linguist, for an invention for—"Improvements in making buttons and other like fastenings for apparel."
<i>Provisional protection only.</i></p> |
| <p>NEWTON.
12th April 1864.</p> | <p>923. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of the joints or connections and stopcocks for water, gas and other pipes."—<i>A communication to him from abroad by Henry Watelet and Charles Watelet, and Edmund de Lacotte, all of Brussels, in the Kingdom of Belgium.</i>
<i>Provisional protection only.</i></p> |
| <p>ROHRBECK.
13th April 1864.</p> | <p>924. JOHANN CARL ROHRBECK, of Bromberg, in the Kingdom of Prussia, Superintendent of a Railway Locomotive Department, for an invention for—"An improved chaff cutting machine."
<i>Letters Patent sealed.</i></p> |
| <p>GATTY.
13th April 1864.</p> | <p>925. FREDERICK ALBERT GATTY, of Accrington, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in treating garancine and other products of madder."
<i>Letters Patent sealed.</i></p> |
| <p>AUDIGIER.
13th April 1864.</p> | <p>926. AUGUSTE AUDIGIER, Chymist, living at No. 63, Rue Grignan, Marseilles, in the Empire of France, for an invention for—"Embalming and mummifying dead bodies."
<i>Letters Patent sealed.</i></p> |
| <p>READING.
13th April 1864.</p> | <p>927. WILLIAM READING, of Birmingham, in the County of Warwick, Stamper and Piercer, and Gold Spring Swivel Manufacturer, for an invention for—"Improvements in fastenings for attaching watches, lockets, articles of jewellery, and ornamental articles of dress and other like articles, to chains, and for attaching chains to the dress, parts of which improvements may also be applied to key rings and rings for other like purposes."
<i>Letters Patent sealed.</i></p> |
| <p>EVANS.
THOMPSON.
13th April 1864.</p> | <p>928. JOHN CAMPBELL EVANS, of East Greenwich, in the County of Kent, Engineer, and JOHN CALVIN THOMPSON, of the same place, Engineer, for an invention for—"Improvements in preserving the bottoms of iron and other ships and vessels."
<i>Letters Patent sealed.</i></p> |
| <p>BURCHALL.
BORROWS.
13th April 1864.</p> | <p>929. JOHN BURCHALL, Merchant, of St. Helen's, Lancashire, and EDWARD BORROWS, of Sutton, Lancashire, Engineer, for an invention for—"Improvements in arming war vessels."
<i>Provisional protection only.</i></p> |
| <p>STOCKER.
GOLD.
STOCKER.
13th April 1864.</p> | <p>930. ALEXANDER SOUTHWOOD STOCKER, of Wolverhampton, in the County of Stafford, Manufacturer, RICHARD GOLD, of Birmingham, in the County of Warwick, Manufacturer, and ALEXANDER RICHMOND STOCKER, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in the manufacture of hinges and in part of the machinery, apparatus and tools to be employed therein."
<i>Provisional protection not granted.</i></p> |
| <p>NEILSON.
GILLIES.
13th April 1864.</p> | <p>931. JAMES NEILSON, Brewer, and JAMES GILLIES, Engineer, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for fixing or closing capsules on bottles and other vessels."
<i>Letters Patent sealed.</i></p> |
| <p>MILLER.
13th April 1864.</p> | <p>932. THOMAS WILLIAM MILLER, of the Terrace, Keyham, Devonport, in the County of Devon, Gentleman, for an invention for—"Improvements in motive-power engines."
<i>Letters Patent sealed.</i></p> |

CRAMPTON. 13th April 1864.	933. THOMAS RUSSELL CRAMPTON, of No. 12, Great George Street, Westminster, for an invention for—"Improvements in the manufacture of bricks and similar articles from clay and brick earth, and in apparatus to be used in such manufacture." <i>Provisional protection only.</i>
COPE. 13th April 1864.	934. JAMES COPE, of New North Street, Finsbury, in the County of Middlesex Engineer, for an invention for—"Improvements in the construction of apparatus employed for steam ploughing, parts of which improvements are also applicable to portable steam or traction engines." <i>Letters Patent sealed.</i>
DE FONTAINEMOREAU. 14th April 1864.	935. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in musical instruments known by the names of organino angélophone and harmonium, which improvements are also applicable to other similar instruments."— <i>A communication from Monsieur Pierre Dupland, a person resident at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BULLOUGH. 14th April 1864.	936. JAMES BULLOUGH, of Baxenden, near Accrington, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
STEVEN. BATTY. 14th April 1864.	937. THOMAS STEVEN, Ironfounder, of Glasgow, and CHARLES BATTY, Atmospheric Engineer, of London, for an invention for—"Improvements in arrangements and apparatus for ventilating, for protecting from heat, and for heating and cooking." <i>Letters Patent sealed.</i>
MEIRAT. 14th April 1864.	938. YENN MEIRAT, of Henry Street, Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in the means of propelling vessels." <i>Provisional protection only.</i>
BROWETT. 14th April 1864.	939. FREDERICK BROWETT, of the City of Coventry, Manufacturer, for an invention for—"An improvement in hand frames for the manufacture of embroidered trimmings." <i>Letters Patent sealed.</i>
McELROY. 14th April 1864.	940. JOHN McELROY, of Stretford, in the County of Lancaster, Book-keeper, for an invention for—"Improvements in electric telegraph apparatus." <i>Provisional protection only.</i>
HIGGINS. 14th April 1864.	941. HENRY HIGGINS, of Salford, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for cleaning cotton from seeds and for carding such material." <i>Letters Patent sealed.</i>
MOORE. 14th April 1864.	942. SAMPSON MOORE, of the North Foundry, Liverpool, in the County of Lancaster, Millwright and Engineer, for an invention for—"Improvements applicable to cranes, crab-winchs, overhead travelling cranes, 'travelling jennies,' and other like gear for lifting and removing heavy bodies." <i>Letters Patent sealed.</i>
TREMESCHINI. 14th April 1864.	943. GUISEPPE ANTONIO TREMESCHINI, of Schio, Venetia, Mechanical Engineer, for an invention for—"Improvements in lamps." <i>Letters Patent sealed.</i>
SYMONS. 14th April 1864.	944. WILLIAM SYMONS, of 17, St. Mark's Crescent, Regent's Park, Philosophical Instrument Maker, for an invention for—"Improvements in lighting railway carriages and other conveyances." <i>Provisional protection only.</i>
DE NORMANDY. 15th April 1864.	945. ALPHONSE RENÉ LE MIRE DE NORMANDY, of Odin Lodge, 5, King's Road, Clapham Park, Surrey, for an invention for—"Improvements in ships' hearths or cooking apparatus." <i>Letters Patent sealed and specification filed by order.</i>
DURANT. GORE. 15th April 1864.	946. ANGUISH HONOUR AUGUSTUS DURANT, of the Conservative Club, Saint James's, Captain, and WILLIAM HENRY POSTLETHWAITE GORE, of Palace Gardens Terrace, Kensington, Esquire, both in the County of Middlesex, for an invention for—"Improvements in the construction of wheeled carriages." <i>Letters Patent sealed.</i>
SCOWEN. 15th April 1864.	947. THOMAS LAYZELL SCOWEN, of Allen Road, Stoke Newington, in the County of Middlesex, for an invention for—"Certain improvements in the manufacture of and in various parts of 'the horizontal fin-expanding canopy for carriages, boats and places.'" <i>Letters Patent sealed.</i>

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| <p>OVENDEN.
OVENDEN.
15th April 1864.</p> <p>MILNES.
15th April 1864.</p> <p>RENDEL.
15th April 1864.</p> <p>ROWING.
15th April 1864.</p> <p>DOUGHTY,
KEY.
15th April 1864.</p> <p>JOHNSON.
15th April 1864.</p> <p>CLARK.
15th April 1864.</p> <p>COOMBE.
15th April 1864.</p> <p>BARLOW.
16th April 1864.</p> <p>PROSSER.
16th April 1864.</p> <p>NICHOLSON.
16th April 1864.</p> <p>CLARK.
16th April 1864.</p> <p>PRIEST.
WOOLNOUGH.
16th April 1864.</p> <p>PAYTON.
16th April 1864.</p> <p>GEDGE.
16th April 1864.</p> <p>COOPER.
16th April 1864.</p> | <p>948. WILLIAM OVENDEN, the elder, and WILLIAM OVENDEN, the younger both of Dover, in the County of Kent, Cabinet Makers, for an invention for—"Certain mechanical arrangements to be applied to doors and casement windows, to prevent slamming or clapping."
<i>Letters Patent sealed.</i></p> <p>949. JOHN MILNES, of Gloucester, in the County of Gloucester, Contractor, for an invention for—"Improvements in fuel."
<i>Provisional protection only.</i></p> <p>950. GEORGE WIGHTWICK RENDEL, of Newcastle-upon-Tyne, in the County of Northumberland, Mechanical Engineer, for an invention for—"Improvements in the means of checking the recoil of gun carriages."
<i>Letters Patent sealed.</i></p> <p>951. ESAU ROWING, of Norwich, in the County of Norfolk, Engineer, for an invention for—"Improvements in steam-engines and boilers."
<i>Provisional protection only.</i></p> <p>952. CHARLES DOUGHTY, of Lincoln, and WILLIAM DRAKE KEY, also of Lincoln, for an invention for—"Improvements in treating a product obtained in refining the oil of cotton seeds."
<i>Letters Patent sealed.</i></p> <p>953. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in metallic capsules."—<i>A communication to him from abroad by William Betts, at present residing at Bordeaux, in the Empire of France, Gentleman.</i>
<i>Letters Patent sealed.</i></p> <p>954. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Certain improvements in the construction of ships or vessels."—<i>A communication to him from abroad by Louis Vincent Hein, of New York City, United States of America.</i>
<i>Provisional protection only.</i></p> <p>955. JAMES CANE COOMBE, of Swinton Street, Gray's Inn Road, in the County of Middlesex, Chemist, for an invention for—"Improvements in the preparation of fertilizing agents for agricultural, horticultural and other analogous purposes."
<i>Letters Patent sealed.</i></p> <p>956. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Certain improvements in the slide valves of steam-engines."—<i>A communication to him from abroad by Jacob Salter, of Moscow, in the Empire of Russia.</i>
<i>Letters Patent sealed.</i></p> <p>957. CHARLES HOWARD PROSSER, of Hawley Square, Margate, in the County of Kent, Surgeon, for an invention for—"An improved apparatus for cleaning tobacco pipes."
<i>Provisional protection only.</i></p> <p>958. JOSEPH ALFRED NICHOLSON, of Gracechurch Street, in the City of London, Gentleman, for an invention for—"Improvements in water-closet apparatus."
<i>Provisional protection only.</i></p> <p>959. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the preservation of animal matters."—<i>A communication to him from abroad by Jean Pierre Lie-Bodart, Professor of Chemistry, of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> <p>960. ALFRED PRIEST, and WILLIAM WOOLNOUGH, the younger, Drill and Horse Hoe Makers, of Kingston-on-Thames, Surrey, for an invention for—"Improvements in machinery for hoeing land."
<i>Letters Patent sealed.</i></p> <p>961. WALTER PAYTON, of Bedford Place, Commercial Road, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in apparatus for measuring water and other liquids."
<i>Letters Patent sealed.</i></p> <p>962. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved apparatus for sifting or sorting cereals."—<i>A communication to him from abroad by Louis Béréziat, junior, of No. 15, Passage des Petites Ecuries, Paris, France, Miller.</i>
<i>Letters Patent sealed.</i></p> <p>963. MESHACH BRITTAN COOPER, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in rotatory engines."
<i>Letters Patent sealed.</i></p> |
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RILEY. 16th April 1864.	964. JOHN RILEY, of Hapton, near Accrington, in the County of Lancaster, Manufacturing Chemist, for an invention for—"An improved sizing substance." <i>Letters Patent sealed.</i>
NEWTON. 16th April 1864.	965. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of manufacturing cerealine."— <i>A communication to him from abroad by James Brown, of the City of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
HASELTINE. 16th April 1864.	966. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for manufacturing metallic nuts."— <i>A communication to him from abroad by William Chisholm, of Cleveland, Ohio, United States of America.</i> <i>Complete specification : Letters Patent sealed.</i>
EHRHARDT. 16th April 1864.	967. WILLIAM EHRHARDT, of Birmingham, in the County of Warwick, Chronometer and Watch Manufacturer, for an invention for—"Improvements in keyless watches." <i>Letters Patent sealed.</i>
SMITH. 16th April 1864.	968. ARTHUR WILLIAM SMITH, of Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improved machinery for making pegs and rivets, and pegging and rivetting boots, shoes and similar coverings for the feet." <i>Letters Patent sealed.</i>
MIDGLEY. 16th April 1864.	969. ROBERT MIDGLEY, of Halifax, in the County of York, Worsted Spinner, for an invention for—"Improvements in machinery for combing wool or other fibrous substances." <i>Provisional protection only.</i>
GUTHRIE. 18th April 1864.	970. MALCOLM GUTHRIE, of Liverpool, in the County of Lancaster, for an invention for—"An improvement applicable to printed checks for the use of shopkeepers and others, and to other like purposes." <i>Provisional protection not granted.</i>
GEDGE. 18th April 1864.	971. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved power loom for weaving."— <i>A communication to him from abroad by Jean Baptiste Beau, of No. 39, Faubourg Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
JOHNSON. 18th April 1864.	972. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in obtaining motive-power."— <i>A communication to him from abroad by François Montecucco, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HENDERSON. 18th April 1864.	973. JOHN CROSBIE AITKEN HENDERSON, of Noble Street, in the City of London, Warehouseman, for an invention for—"An improved manufacture of ladies' skirts." <i>Provisional protection only.</i>
DAVIES. 18th April 1864.	974. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, Saint Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved respiratory apparatus."— <i>A communication to him from abroad by Albert Galibert, of Paris.</i> <i>Letters Patent sealed.</i>
STEVENS. 18th April 1864.	975. JOHN STEVENS, of Wookey Hole, near Wells, in the County of Somerset, for an invention for—"Improvements in machinery for drying paper." <i>Letters Patent sealed.</i>
SPRATT. 19th April 1864.	976. JOHN ELDRIDGE SPRATT, of Margaret Street, in the County of Middlesex, Surgeon, for an invention for—"An improved fastening for gates and doors." <i>Letters Patent sealed.</i>
BURSTALL. 19th April 1864.	977. GEORGE BURSTALL, of Cottingham, in the County of York, Merchant, for an invention for—"Improvements in treating cotton seed to separate the cotton therefrom, and also to partially decorticate or remove the husk of the seed from the kernel." <i>Letters Patent sealed.</i>
BOUSFIELD. 19th April 1864.	978. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in presses."— <i>A communication to him from abroad by George Chatterton, a person resident at Providence, Rhode Island, United States of America.</i> <i>Complete specification : Letters Patent sealed.</i>

EDIS.
19th April 1864.

979. JOHN EDIS, of 146, Shoreditch, in the County of Middlesex, Upholsterer, for an invention for—"An improved method of fastening table tops without the aid of thumb screws."
Provisional protection only.

SHAW.
20th April 1864.

980. JOHN SHAW, of No. 22, West Smithfield, London, in the County of Middlesex, Engineer, for an invention for—"Improvements in iron caissons, and in apparatus to be used in sinking the same, and in sinking cylinders and piers for making foundations under water."
Provisional protection only.

LEVINSTEIN.
20th April 1864.

981. HUGO LEVINSTEIN, of No. 5, New Bridge Street, Blackfriars, Manufacturing Chemist, for an invention for—"Improvements in the preparation of purple, violet and blue aniline dyes."
Provisional protection only.

COOPER.
FLETCHER.
20th April 1864.

982. WILLIAM GILES COOPER, and JAMES FLETCHER, both of Burnley, in the County of Lancaster, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.

BRIÈRE.
20th April 1864.

983. JULIAN BRIÈRE, of Brussels, in the Kingdom of Belgium, Méchanician, for an invention for—"Improvements in the continuous self-acting condenser, being a new-boiler feeding apparatus."
Provisional protection only.

GREEN.
20th April 1864.

984. GEORGE GREEN, of Birmingham, in the County of Warwick, Embosser, for an invention for—"An improvement or improvements in ornamenting plated wares."
Provisional protection only.

HEAD.
20th April 1864.

985. JEREMIAH HEAD, junior, of Stockton-on-Tees, for an invention for—"Improvements in foundations for heavy structures under certain circumstances."
Provisional protection only.

ROBSON.
20th April 1864.

986. SAMUEL SINCLAIR ROBSON, of Hendon, in the County of Durham, Rope Manufacturer, for an invention for—"Improvements in the manufacture of ropes and cordage."
Provisional protection only.

HARRISON.
CLEMENTS.
20th April 1864.

987. SAMUEL HARRISON, of Birmingham, in the County of Warwick, Wine Merchant, and WILLIAM CLEMENTS, also of Birmingham, aforesaid, Disfiller, for an invention for—"Improvements in fire grates whether open or enclosed."
Letters Patent sealed.

JOHNSON.
20th April 1864.

988. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in puddling furnaces."—*A communication to him from abroad by John Williams, of the City of Montreal, in the Province of Canada, Iron Puddler.*
Letters Patent sealed.

HARRISS.
20th April 1864.

989. JAMES PLAISTER HARRISS, of Stanley Hall, in the County of York, Esquire, for an invention for—"Improvements in projectiles."
Letters Patent sealed; no specification filed.

FRASER.
20th April 1864.

990. ALEXANDER COLVIN FRASER, of Loughborough, in the County of Leicester, for an invention for—"Improvements in apparatus used in the manufacture of gas."
Letters Patent sealed.

NEWTON.
20th April 1864.

991. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved construction and arrangement of equilibrium slide valve."—*A communication to him from abroad by Frederic Ernest Perret, of Rue St. Sebastien, Paris, in the Empire of France.*
Letters Patent sealed.

NEWTON.
20th April 1864.

992. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of piano-forte."—*A communication to him from abroad by John Winter Jones, of the City and State of New York, United States of America.*
Letters Patent sealed.

LOMER.
21st April 1864.

993. D'HERMAN LOMER, of Brussels, Belgium, for an invention for—"Obtaining colouring matter as substitute for aniline colours."
Letters Patent sealed.

STANDEVEN.
21st April 1864.

994. JOSEPH STANDEVEN, of Saddleworth, in the County of York, Cotton Spinner, for an invention for—"Improvements in self-acting mules for spinning and doubling."
Letters Patent sealed.

ARMSTRONG.
21st April 1864.

995. JONATHAN ARMSTRONG, of Sheffield, in the County of York, for an invention for—"Improvements in steam hammers."
Provisional protection only.

WADKIN. 21st April 1864.	996. HENRY WADKIN, Gas Manager, of the Parish of St. John, in the City of Chester, for an invention for—"Improvements in apparatus for working points and signals of railways." <i>Letters Patent sealed.</i>
CLARK. 21st April 1864.	997. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in pens."— <i>A communication to him from abroad by Madame Adrien Maurin, Widow, and Gustave Toiray, Merchants, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
ABRAHAM. 21st April 1864.	998. JOHN ABRAHAM of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in machinery for coining." <i>Letters Patent sealed.</i>
BONNEVILLE. 21st April 1864.	999. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"A new semi-fluid or solid product obtained by concentrating the saponaceous parts of the quillai tree."— <i>A communication from Emeric De Werchin, a person residing at Maubeuge, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 21st April 1864.	1000. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in photographic apparatus."— <i>A communication from Doctor Desiré Charles Emmanuel Van Monckhoven, a person residing at Ghent, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 21st April 1864.	1001. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in making artificial leather."— <i>A communication from Ernest Bouvier, a person residing at Rue du Lac, Paris, aforesaid.</i> <i>Letters Patent sealed.</i>
JONES. 21st April 1864.	1002. JOHN JONES, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of bricks, tiles, and other similar articles or forms that may be produced by moulding clays, earths and other like materials, and in apparatus or machinery to be employed therein." <i>Letters Patent sealed.</i>
WHEELER. 21st April 1864.	1003. GEORGE PRINTY WHEELER, of Abinghall, in the County of Gloucester, Engineer, for an invention for—"Improvements in the preparation and application of a certain material for the purpose of grinding and polishing metal and other surfaces." <i>Provisional protection only.</i>
THOMAS 21st April 1864.	1004. LUKE THOMAS, of No. 136, Leadenhall Street, in the City of London, for an invention for—"A lifting battery applicable to ships and forts." <i>Provisional protection only.</i>
JENNINGS. 21st April 1864.	1005. JOSIAH GEORGE JENNINGS, of Palace Road, Lambeth, in the County of Surrey, Sanitary Engineer, for an invention for—"Improvements in the construction of caissons, coffer dams and similar structures, used when forming foundations under water." <i>Letters Patent sealed.</i>
ROLLINS. 21st April 1864.	1006. JOHN GUSTAVUS ROLLINS, of No. 24, Circus Street, Greenwich, in the County of Kent, for an invention for—"Improvements in cotton gins."— <i>A communication to him from abroad by Caleb Carpenter Allen, a person resident at Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
JENNINGS. LAVATER. 21st April 1864.	1007. JOSIAH GEORGE JENNINGS, of Palace Road, Lambeth, in the County of Surrey, Sanitary Engineer, and MANUEL LEOPOLD JONAS LAVATER, of Bath Street, Newgate Street, in the City of London, India-Rubber Manufacturer, for an invention for—"Improvements in pumps and in the construction of flexible pipes or hose, and in the apparatus employed therefor." <i>Letters Patent sealed.</i>
LEIGHTON. 21st April 1864.	1008. ALFRED LEIGHTON, of No. 9, Buckingham Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the construction, manufacture and reproduction of stamps and other printing surfaces, in relief." <i>Letters Patent sealed.</i>

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| <p>POTTS.
HARVEY.
21st April 1864.</p> | <p>1009. FERDINAND POTTS, of Birmingham, in the County of Warwick, Tube Manufacturer, and CHARLES HARVEY, of Elmdon, also in the County of Warwick, Plumber and Glazier, for an invention for—"Improved ornamental bricks applicable for various useful purposes, and in the machinery for manufacturing the same."
<i>Letters Patent sealed.</i></p> |
| <p>SLEIGH.
21st April 1864.</p> | <p>1010. BURROWES WILLCOCKS ARTHUR SLEIGH, of Alfred Place, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in obtaining and applying motive-power."—<i>The result partly of his own invention and partly of a communication made to him by his Father, the late William Willcocks Sleigh, resident at Alfred Place, Bedford Square, in the County of Middlesex, aforesaid.</i>
<i>Provisional protection only.</i></p> |
| <p>PEPPER.
22nd April 1864.</p> | <p>1011. TOBIAH PEPPER, of No. 17, Newington Green, in the County of Middlesex, for an invention for—"An improved boot and knife cleaning machine."
<i>Letters Patent sealed.</i></p> |
| <p>DAVIES.
22nd April 1864.</p> | <p>1012. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in inhaling apparatus."
<i>A communication to him from abroad by Emile Siegle, of Stuttgart, Wurtemberg.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CROSKEY.
22nd April 1864.</p> | <p>1013. JOSEPH RODNEY CROSKEY, of Saint Michael's House, Cornhill, in the City of London, for an invention for—"Improvements in machinery or apparatus for receiving and paying out submarine electric telegraph cables."
<i>Provisional protection only.</i></p> |
| <p>RIVETT.
22nd April 1864.</p> | <p>1014. JOSEPH CEDRIC RIVETT, of the Prestolee New Mills, Farnworth, near Bolton, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in lubricators."
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
22nd April 1864.</p> | <p>1015. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in pulleys and riggers."
<i>—A communication to him from abroad by Jean François Casimir Noël, Merchant, of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> |
| <p>BARNES.
22nd April 1864.</p> | <p>1016. WOODRUFF LITTLETON BARNES, Civil Engineer, of Brooklyn, State of New York, United States of America, for an invention for—"An improved spring hook or fastening for garments, wrappers, blankets and other articles."—<i>A communication from Abel Putman, junior, a person resident at Chester, State of Vermont, United States, and from David McAlister Smith, a person resident in Springfield, in said State.</i>
<i>Letters Patent sealed.</i></p> |
| <p>HARRINGTON.
22nd April 1864.</p> | <p>1017. GEORGE FELLOWS HARRINGTON, of Sedgely House, Ryde, in the Isle of Wight, Surgeon Dentist, for an invention for—"Improvements in machinery or apparatus for drilling, cutting, grinding and polishing teeth whilst in the mouth."
<i>Letters Patent sealed.</i></p> |
| <p>THOMPSON.
22nd April 1864.</p> | <p>1018. JAMES THOMPSON, of Bilston, in the County of Stafford, Manufacturer, for an invention for—"Certain improvements in the manufacture of hollow axles and axle boxes, and which said improvements are also applicable for the manufacture of locomotive and other tubes, hydraulic cylinders, and such like tubular bodies where great strength and solidity is required."
<i>Letters Patent sealed.</i></p> |
| <p>DUYCK.
22nd April 1864.</p> | <p>1019. JAMES EDWARD DUYCK, of Stamford Street, Blackfriars, in the County of Surrey, Engineer, for an invention for—"Improvements in distilling and purifying petroleum oils and other hydro-carbons, and in apparatus employed therein."
<i>Letters Patent sealed.</i></p> |
| <p>FELDMAN.
22nd April 1864.</p> | <p>1020. SIMON FERDINAND FELDMAN, of Hackney, in the County of Middlesex, Boot Manufacturer, for an invention for—"An improvement in boots."
<i>Provisional protection only.</i></p> |
| <p>DUYCK.
22nd April 1864.</p> | <p>1021. JAMES EDWARD DUYCK, of Stamford Street, Blackfriars, in the County of Surrey, Engineer, for an invention for—"Improvements in treating petroleum and other hydro-carbon oils and fats or fatty bodies."
<i>Provisional protection only.</i></p> |

NEWTON. 22nd April 1864.	1022. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of rotary engine applicable for forcing air or water or applying power."— <i>A communication to him from abroad by Addison Smith, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 22nd April 1864.	1023. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved apparatus for supporting ships or vessels in docks or basins, while undergoing repair."— <i>A communication to him from abroad by Louis Michel Breyse, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
WORSSAM. 23rd April 1864.	1024. GEORGE JARVIS WORSSAM, of Wenlock Road, City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery and apparatus for expressing liquids or moisture from substances." <i>Letters Patent sealed.</i>
SIMON. 23rd April 1864.	1025. EDWARD SIEGMUND SIMON, of Bury Street, in the City of London, for an invention for—"A combined collar and neck-tie." <i>Provisional protection only.</i>
TREGASKIS. 23rd April 1864.	1026. THOMAS PHILIP TREGASKIS, of Stratford, in the County of Middlesex, for an invention for—"Improved apparatus for raising and forcing fluids." <i>Letters Patent sealed.</i>
WARDLE. 23rd April 1864.	1027. ALFRED WARDLE, of Euston Road, in the County of Middlesex, for an invention for—"Improvements in smoking pipes." <i>Provisional protection only.</i>
LEWIS. 23rd April 1864.	1028. DAVID LEWIS, of Liverpool, in the County of Lancaster, Clothier and Hatter, for an invention for—"Improvements in the manufacture of college caps." <i>Letters Patent sealed.</i>
HUSSEY. 23rd April 1864.	1029. DANIEL HUSSEY, of Nashua, New Hampshire, United States of America, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
PRATT. 23rd April 1864.	1030. JOHN MARSHALL PRATT, of Prescott, in the County of Lancaster, Tailor and Draper, for an invention for—"Improved brick making machinery." <i>Letters Patent sealed.</i>
BRUNEL. 23rd April 1864.	1031. BONNET FREDERIC BRUNEL, of Brussels, in the Kingdom of Belgium, Chemist, for an invention for—"Improvements in treating vegetable fibres, in converting them into pulp, in bleaching the same, and in apparatus employed therein." <i>Provisional protection only.</i>
SMYTH. 23rd April 1864.	1032. JAMES JOSIAH SMYTH, of Peasenhall, in the County of Suffolk, for an invention for—"Improvements in the construction of drills to sow or deposit corn, seed, and manure." <i>Letters Patent sealed.</i>
HOLDERNESS. JORDAN. 23rd April 1864.	1033. THOMAS HUNTER HOLDERNESS, and HENRY JORDAN, both of Liverpool, in the County of Lancaster, for an invention for—"Improvements applicable to the construction of ships or other navigable vessels, the hulls of which are built with metallic frames and wood planking, part of which may be applied to vessels constructed entirely of wood, or with wood frames and planking and iron deck beams." <i>Letters Patent sealed.</i>
NORTH. 23rd April 1864.	1034. RICHARD NORTH, of Birstal, near Leeds, in the County of York, for an invention for—"Improvements in smoke consuming apparatus." <i>Provisional protection only.</i>
GRICE. BENNETT. 23rd April 1864.	1035. FREDERIC GROOM GRICE, of Cwm Bran, in the County of Monmouth, Manufacturer, and HENRY BENNETT, of Cwm Bran, aforesaid, Machinist, for an invention for—"Improvements in machinery for the manufacture of hollow iron keys or wedges for fixing rails in railway chairs, which said machinery is also applicable to the manufacture of hollow railway spikes and hollow iron sleepers for railways." <i>Letters Patent sealed.</i>
BENNETT. 23rd April 1864.	1036. HENRY BENNETT, of Wombridge, in the County of Salop, Iron Master, for an invention for—"Improvements in puddling iron, steel-iron and steel, and in apparatus or machinery for facilitating the operation of puddling." <i>Letters Patent sealed.</i>

- DODGE.**
23rd April 1864. 1037. JAMES DODGE, of Waterford, Saratoga County, State of New York, United States of America, Engineer, at present residing in Manchester, in the County of Lancaster, for an invention for—"Improvements in apparatus for hardening saw blades and other plates or sheets of steel." *Letters Patent sealed.*
- BRINJES.**
23rd April 1864. 1038. JOHN FREDERICK BRINJES, of Finsbury Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for the reburning of animal charcoal." *Letters Patent sealed.*
- MARSDEN.**
25th April 1864. 1039. HARRY MARSDEN, of Huddersfield, in the County of York, Wooden Scriber and Spindler, for an invention for—"Improvements in or applicable to carding-engines." *Letters Patent sealed.*
- CROFTS.**
25th April 1864. 1040. WILLIAM CROFTS, of Herne Bay, in the County of Kent, Gentleman, for an invention for—"Improvements in the racks and apparatus used in the propagation of oysters." *Letters Patent sealed.*
- NEWTON.**
25th April 1864. 1041. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for connecting jacquard cards together."—*A communication to him from abroad by Bénoît Guilbert Danel, of St. Quentin (Aisne), in the Empire of France.* *Provisional protection only.*
- BILLING.**
SHORE.
25th April 1864. 1042. ALFRED JOSEPH BILLING, of Jubac Street, Easton Road, in the County of Middlesex, Brass Founder, and JOHN SHORE, of Birmingham, in the County of Warwick, Brass Founder, for an invention for—"Improvements in rack pulleys for window-blinds and other analogous purposes." *Provisional protection only.*
- SYMES.**
25th April 1864. 1043. JAMES SYMES, of Norfolk Street, Strand, in the County of Middlesex, for an invention for—"Improvements in windows." *Letters Patent sealed.*
- HARRIS.**
25th April 1864. 1044. DANIEL HARRIS, of 25, Oxford St., London, W., for an invention for—"Improvements in the construction of metallic and slate billiard tables." *Letters Patent sealed.*
- HASKELTYNE.**
26th April 1864. 1045. GEORGE HASKELTYNE, of the "International Patent Office," No. 12, South-square Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary pumps."—*A communication to him from abroad by Alister Haydn Knapp, of Newton Centre, Massachusetts, United States of America.* *Letters Patent sealed.*
- FOX.**
26th April 1864. 1046. SIR CHARLES FOX, Knight, of New Street, Spring Gardens, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in causing adhesion of the driving wheels of locomotive engines and other carriages to or upon the rails upon which they run."—*The result partly of a communication from abroad made to him by Jere Wilson Post, of 151, Broadway, New York, in the United States of America, and partly of invention and discovery made by him.* *Complete specification; Letters Patent sealed.*
- TAYLOR.**
26th April 1864. 1047. WILLIAM TAYLOR, of Stockton, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery for spinning cotton." *Letters Patent sealed.*
- BUSH.**
26th April 1864. 1048. FRANCIS BUSH, of Bangor, of the State of Massachusetts, of the United States of America, for an invention for—"Improvements in and cutting machines and mechanisms for grading the irrevocable cutter and dies used therein."—*A communication to him by George Barry Wiggins and John Wadsworth Howard, persons resident at Providence, in the State of Rhode Island, of the said United States.* *Complete specification; Letters Patent sealed.*
- TRYEN.**
26th April 1864. 1049. THOMAS SEAVILLE TRYEN, Civil Engineer, 53, Gracechurch Street, City, London, for an invention for—"Improvements in the mode of carrying knapsacks and other articles suspended at the back by means of levers." *Letters Patent sealed.*
- RUSSELL.**
26th April 1864. 1050. JAMES RUSSELL, Junior, of Falkirk, in the County of Stirling, Coal Master, for an invention for—"Improvements in machinery for hewing coal and other minerals." *Letters Patent sealed; no specification filed.*

THOROLD. 26th April 1864.	1051. WILLIAM THOROLD, of the City and County of Norwich, Civil Engineer, for an invention for—"Improvements in the means and apparatus for condensing steam." <i>Letters Patent sealed.</i>
TAYLOR. 27th April 1864.	1052. EDWARD TAYLOR, of the firm of E. Taylor and Co ^y , of Salford, in the County of Lancaster, Washing Machine Manufacturers, for an invention for—"Certain improvements in machinery or apparatus to be employed for the purposes of churning, parts of which improvements are also applicable to washing and cleansing." <i>Letters Patent sealed.</i>
JACOBS. 27th April 1864.	1053. HIRAM SMITH JACOBS, of the City of Portland, in the State of Oregon, in the United States of America, for an invention for—"Improvements in wheel-dressing machines." <i>Letters Patent sealed.</i>
DURRIEU. 27th April 1864.	1054. LOUIS ADOLPHUS DURRIEU, of 33, Soho Square, London, in the County of Middlesex, for an invention for—"Improvements in springs used in making seats, cushions, seat backs, pillows, mattresses and similar articles."— <i>A communication to him from abroad by Charles Louis Victor Yon, resident at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
WHITE. 27th April 1864.	1055. JAMES WHITE, of Aldersgate Street, in the City of London, Manufacturer, for an invention for—"Improvements in ladies' mourning bonnet and hat falls." <i>Letters Patent sealed.</i>
SEARLE. 27th April 1864.	1056. THOMAS JOHN SEARLE, of No. 4, Darnley Road, Hackney, in the County of Middlesex, for an invention for—"Improvements in apparatus for washing and wringing clothes, textile fabrics or other articles." <i>Letters Patent sealed.</i>
SOUTHGATE. 27th April 1864.	1057. THOMAS LEA SOUTHGATE, of No. 5, Squires Mount, Hampstead, in the County of Middlesex, for an invention for—"Improvements in omnibuses." <i>Provisional protection only.</i>
BRUNEL. 27th April 1864.	1058. BONNET FREDERIC BRUNEL, of Brussels, in the Kingdom of Belgium, Chemist, for an invention for—"Improvements in treating titanitic iron sands and in apparatus employed therein." <i>Provisional protection only.</i>
BROOMAN. 27th April 1864.	1059. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An apparatus or tool for holding bits and other metal parts of harness and saddlery while being cleaned and polished."— <i>A communication to him from abroad by Julien Caillard, of Paris, France.</i> <i>Provisional protection only.</i>
BROOMAN. 27th April 1864.	1060. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in producing photographic pictures photogenically indelible."— <i>A communication to him from abroad by Charles Raphael Maréchal, junior, and Cyprien Marie Tessié du Motay, of Metz, France.</i> <i>Letters Patent sealed.</i>
BATEMAN. 27th April 1864.	1061. SAMUEL BATEMAN, of Bradford, Yorkshire, Card Maker, for an invention for—"Improvements in paddle wheels of steam boats." <i>Letters Patent sealed.</i>
PARNACOTT. 27th April 1864.	1062. EDWARD JOSEPH WILLIAM PARNACOTT, of Douro Street, Fairfield Road, Bow, in the County of Middlesex, Mill Sawyer, for an invention for—"Improvements in the manufacture of wheels or tools for grinding and polishing surfaces." <i>Letters Patent sealed.</i>
MARTIN. 28th April 1864.	1063. LOUIS EMILE CONSTANT MARTIN, of No. 11, Adam Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in boilers and apparatus for generating steam." <i>Letters Patent sealed.</i>
COOKSON. 28th April 1864.	1064. JOHN COOKSON, of Bradford, in the County of York, Plumber and Gas Fitter, for an invention for—"Improvements in apparatus and self-acting valves in connection with kitchen boilers, for heating water for baths, wash basins and similar purposes." <i>Letters Patent sealed.</i>
PARKER. 28th April 1864.	1065. JAMES PARKER, of No. 6, Lilford Road, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in the application of steam combined with air as a motive-power and for other purposes." <i>Provisional protection only.</i>

- MELLING.**
28th April 1864. 1066. RICHARD MELLING, junior, of Coupland Street, in the City of Manchester, and County of Lancaster, Coach Builder, for an invention for—"Improvements in the construction of wheels of carriages or vehicles for common roads."
Letters Patent sealed.
- PAPENGOUTH.**
28th April 1864. 1067. CHRISTOPHER OSWALD PAPENGOUTH, of Russell Square, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in armour plating and in batteries of war."
Letters Patent sealed.
- PEARSON.**
28th April 1864. 1068. CHARLES HENRY PEARSON, of 8, Custom House Terrace, Victoria Docks, for an invention for—"Improvements in apparatus for felling trees and for splitting timber."
Complete specification; Letters Patent sealed.
- NOTMAN.**
28th April 1864. 1069. ALEXANDER NOTMAN, of the East India Road, Poplar, in the County of Middlesex, Engineer, for an invention for—"Improvements in hinges for ships' ports, skylights and other purposes."
Letters Patent sealed.
- NEWTON.**
28th April 1864. 1070. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of vice."—*A communication to him from abroad by Anson Stephens, of the City and State of New York, United States of America.*
Provisional protection only.
- SCHAUB.**
28th April 1864. 1071. GEORGE SCHAUB, of New Hanley Road West, Upper Holloway, in the County of Middlesex, Electro Metallurgist, for an invention for—"An improved mode of transmitting currents of electricity for telegraphic purposes."
Provisional protection only.
- GHISLIN.**
28th April 1864. 1072. THOMAS GOULSTON GHISLIN, of Hatton Garden, in the City of London, Importer, for an invention for—"Improvements in the treatment and application of seaweed."
Letters Patent sealed.
- MENNONS.**
29th April 1864. 1073. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"An improved apparatus for the capsulation of fluid medicines."—*A communication from Jules Viel, a person resident at Tours (Dept. de l'Indre-et-Loire), in the Empire of France.*
Letters Patent sealed.
- CORDUKES.**
McGEE.
29th April 1864. 1074. THOMAS CORDUKES, and JOHN GETTY McGEE, both of Belfast, in the County of Antrim, Ireland, for an invention for—"Improvements applicable to railway wheels and axles."—*A communication to them from abroad by John Cotton Nye, of Cincinnati, in the State of Ohio, in the United States of America.*
Provisional protection only.
- ALDRIDGE.**
JACKSON.
29th April 1864. 1075. FREDERICK THOMAS ALDRIDGE, and MAXWELL JULIUS JACKSON, both of No. 61, Queen Street, Cheapside, in the City of London, for an invention for—"Making hats perfectly grease proof."
Letters Patent sealed.
- SMITHETT.**
DAVIDSON.
29th April 1864. 1076. RICHARD HUDSON SMITHETT, of the Inner Temple, and JOHN DAVIDSON of No. 1, Temple Street, Blackfriars, both in the County of Middlesex, for an invention for—"Improvements in treating clay, artificial stone, metal or other plastic or malleable material, to render it more suitable for constructive purposes."
Letters Patent sealed.
- DAVIDSON.**
29th April 1864. 1077. JOHN DAVIDSON, of No. 1, Temple Street, Blackfriars, in the County of Middlesex, for an invention for—"Improvements in the manufacture of bricks or blocks for use in the formation of arches, from clay, artificial stone or other similar plastic materials, and in the apparatus used in such manufacture."
Provisional protection only.
- SMITHETT.**
29th April 1864. 1078. RICHARD HUDSON SMITHETT, of the Inner Temple, in the County of Middlesex, for an invention for—"An improved method of fastening or connecting bricks together for building purposes."
Letters Patent sealed.
- CORRY.**
29th April 1864. 1079. JOHN CORRY, the younger, of Belfast, in the County of Antrim, Ship Owner, for an invention for—"Improvements applicable to projectiles to be discharged from smooth bored ordnance and small arms."
Provisional protection only.

LITTLE. 29th April 1864.	1080. JOHN LITTLE, of Adelphi Terrace, Strand, in the County of Middlesex, Steel and Iron Merchant, for an invention for—"Improved pavement for streets, roads thoroughfares, footpaths, passages, stairs and other ways, also for platforms, coverings, roofs, or other parts of buildings and other erections." <i>Letters Patent sealed.</i>
BROOMAN. 29th April 1864.	1081. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new method of treating wood and other ligneous substances in order to produce alcohol and to obtain the cellular tissue or fibre from such substances, applicable to the manufacture of paper and other uses." — <i>A communication to him from abroad by François Marie Bachet and Etienne Maehard, of Annecy, France.</i> <i>Letters Patent sealed.</i>
McCALL. SLOPER. 29th April 1864.	1082. JOHN McCALL, of Houndsditch, in the City of London, Merchant, and BEVAN GEORGE SLOPER, of Walthamstow, in the County of Essex, Chemist, for an invention for—"Improvements in preparing and preserving food." <i>Letters Patent sealed.</i>
CAMBRIDGE. 29th April 1864.	1083. WILLIAM COLBORNE CAMBRIDGE, of St. Philip's Iron Works, Bristol, Implement Manufacturer, for an invention for—"Improvements in the manufacture of iron." <i>Letters Patent sealed.</i>
BROWNE. 29th April 1864.	1084. JOHN COLLIS BROWNE, of the Naval and Military Club, Hanover Square, in the County of Middlesex, for an invention for—"Improvements in the means of and apparatus for raising vessels and other sunken bodies, which improvements are also applicable to stopping or plugging holes in ships." <i>Letters Patent sealed.</i>
HARVEY. 29th April 1864.	1085. JOHN HARVEY, of Pall Mall, in the County of Middlesex, Esquire, for an invention for—"Improvements in machinery or apparatus for obtaining and applying motive-power applicable to propelling ships and vessels, raising water and other useful purposes." <i>Provisional protection only.</i>
DAVIES. 29th April 1864.	1086. DAVID CHRISTOPHER DAVIES, of Oswestry, in the County of Salop, Manufacturer, for an invention for—"Improvements in roof lamps for railway and other carriages." <i>Provisional protection only.</i>
HILLS. 29th April 1864.	1087. FRANK CLARKE HILLS, of Deptford, in the County of Kent, Manufacturing Chemist, for an invention for—"Improvements in and applicable to furnaces to be used in the manufacture of gas." <i>Letters Patent sealed.</i>
HILLS. 29th April 1864.	1088. FRANK CLARKE HILLS, of Deptford, in the County of Kent, Manufacturing Chemist, for an invention for—"Improvements in the purification of gas and in obtaining a valuable product in the process, and for the preparation of some of the materials to be used in the said purification." <i>Letters Patent sealed.</i>
BURDICT. 30th April 1864.	1089. ORRIN CLARK BURDICT, of the City and County of New Haven, and State of Connecticut, United States of America, for an invention for—"Improvements in manufacturing nuts and the preparation of the metal therefor, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
CRAWFORD. 30th April 1864.	1090. JOHN KENNEDY CRAWFORD, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in producing ornamental fabrics." <i>Letters Patent sealed.</i>
PARKER. PARKER. PARKER. 30th April 1864.	1091. JOSEPH PARKER, THOMAS JAMES PARKER, and JOHN PARKER, all of Oldham, in the County of Lancaster, Grocers, for an invention for—"Certain improvements in mechanism or apparatus for cleaning dried fruits." <i>Provisional protection only.</i>
LEISZ. 30th April 1864.	1092. FREDERICK LEISZ, of No. 7, New Coventry Street, Leicester Square, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of syrups."— <i>A communication to him from abroad by Jean Jaques Grosheinz and Auguste Sheurer, both of Logelbach, near Colmar, Haut Rhin, Chemists.</i> <i>Provisional protection only.</i>
PRANG. 30th April 1864.	1093. LOUIS PRANG, of Boston, in the State of Massachusetts, in the United States of America, for an invention for—"Improvements in preparing sheets of paper or cardboard for holding photographs and other articles."— <i>A communication to him from abroad by Lewis A. Roberts, of Boston, in the State of Massachusetts, in the United States of America.</i> <i>Provisional protection NOT granted.</i>

BROOMAN. 30th April 1864.	1094. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved chimney or glass for gas burners."— <i>A communication to him from abroad by Alexandre Perié, of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 30th April 1864.	1095. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in tanning."— <i>A communication to him from abroad by Barthelemy Picard, of Puteaux, France.</i> <i>Letters Patent sealed.</i>
MIEUSSEY. 30th April 1864.	1096. JOSEPH MIEUSSEY, of No. 79, Rue Charlot, in the City of Paris, in the Empire of France, Brush Maker, for an invention for—"Improvements in milliners' work boxes." <i>Letters Patent sealed.</i>
CLARKE. 30th April 1864.	1097. DAVID CLARKE, of Birkenhead, in the County of Chester, Architect, for an invention for—"Improvements in the manufacture of venetian blinds." <i>Letters Patent sealed.</i>
BESSAC. 30th April 1864.	1098. JEAN BESSAC, of Charente, in the Empire of France, but temporarily of 4, South Street, Finsbury, in the County of Middlesex, for an invention for—"Improvements in revolving hair brushes and in the mechanism for working the same." <i>Provisional protection only.</i>
BOULTON. 30th April 1864.	1099. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, for an invention for—"Improvements in steam and caloric engines." <i>Provisional protection only.</i>
NORTON. GREGORY. SALMON. 30th April 1864.	1100. JAMES LEE NORTON, of Bell Sauvage Yard, Ludgate Hill, in the City of London, FRANCIS GREGORY, and JAMES SALMON, both of the Royal Exchange, Manchester, in the County of Lancaster, for an invention for—"Improvements in presses and apparatus connected therewith, and in pressing fats, seeds, shoddy, cotton waste, tobacco and paper." <i>Letters Patent sealed.</i>
HUNT. 30th April 1864.	1101. JOHN HUNT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in ornamenting the globes and shades of gas and other lamps." <i>Letters Patent sealed.</i>
JOHNSON. 30th April 1864.	1102. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in looms for weaving figured fabrics."— <i>A communication to him from abroad by Friedrich Emil Obermüller, of Heidenheim, in the Kingdom of Wurtemberg, Manufacturer.</i> <i>Provisional protection only.</i>
MEACOCK. 30th April 1864.	1103. WILLIAM ISAAC MEACOCK, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in the construction of anchors."— <i>A communication to him from abroad by Henry Scholfield, resident at the City of Halifax, in the Province of Nova Scotia.</i> <i>Letters Patent sealed.</i>
GELL. CAFFERATA. 30th April 1864.	1104. GEORGE GELL, and WILLIAM CAFFERATA, both of Newark-on-Trent, in the County of Nottingham, for an invention for—"Improvements in screens for cleaning beans, wheat and other grain or seeds, and other substances." <i>Letters Patent sealed.</i>
BARKER. 30th April 1864.	1105. FRANK SIZER BARKER, of Haverstock Hill, in the County of Middlesex, for an invention for—"Improvements in the construction of pumps."— <i>A communication to him from abroad by Thomas Rider, resident at the Port of Valparaiso, in the Republic of Chili.</i> <i>Letters Patent sealed.</i>
PARKER. HITZMAN. 2nd May 1864.	1106. FREDERIC PARKER, of the Town and County of Cambridge, Carriage Builder, and HENRY HITZMAN, of the same place, Clockmaker, for an invention for—"Improvements in revolving brushes." <i>Provisional protection NOT granted.</i>
DE FONTAINEMOREAU. 2nd May 1864.	1107. PETER ARMAND LECOMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in apparatus for washing ores and other substances, and in separating earth and other impurities adhering to them."— <i>A communication from Jean Emile Austruy, a person resident at Paris, in the Empire of France.</i> <i>Provisional protection only.</i>

NEWTON.
2nd May 1864.

1108. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of projectiles."—*A communication to him from abroad by Hermann Auguste Jaque Gruson, of Buckau, Magdeburg, in the Kingdom of Prussia.*
Letters Patent sealed.

BRADLEY.
FIELDING.
3rd May 1864.

1109. JOHN OLDFIELD BRADLEY, and REUBEN FIELDING, both of Oldham, in the County of Lancaster, General Printers, for an invention for—"Certain improvements in 'counter slip note books.'"
Provisional protection only.

SHAW.
FISHWICK.
3rd May 1864.

1110. SHAKESPEAR SHAW, Merchant, and HENRY FISHWICK, Warehouseman, both of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in apparatus for stamping and embossing textile fabrics."
Letters Patent sealed.

GITTENS.
3rd May 1864.

1111. ALFRED WATSON GITTENS, of Hull, in the County of York, Gentleman, for an invention for—"An improved method of finishing photographic pictures and marbled papers, and improvements in pressing rolls employed therein and applicable to other pressing rolls."
Provisional protection only.

BOULTON.
3rd May 1864.

1112. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, for an invention for—"Improvements in obtaining motive-power by the combustion of fuel."
Provisional protection only.

WARD.
3rd May 1864.

1113. PETER WARD, of No. 2, Clouds Hill Villas, St. George's, Bristol, for an invention for—"Improvements in lubricating compounds."
Letters Patent sealed.

NEWBY.
3rd May 1864.

1114. EDWIN HENRY NEWBY, of Leicester, for an invention for—"Improvements in the manufacture of iron and steel."—*A communication to him from abroad by Anthony Leonard Fleury, a person resident at New York, United States of America.*
Letters Patent sealed.

NEVIN.
COPPIN.
3rd May 1864.

1115. DAVID NEVIN, and WILLIAM COPPIN, both of Londonderry, Ireland, for an invention for—"Improvements in machinery for clearing and separating the woody parts from the fibrous portions of flax, hemp and other like material."
Letters Patent sealed.

THOMPSON.
3rd May 1864.

1116. ROBERT THOMPSON, of New Charlton, in the County of Kent, Engineer, for an invention for—"Improvements in machinery for planing iron and other metals."
Provisional protection only.

GARRETT.
3rd May 1864.

1117. RICHARD GARRETT, junior, of Leiston Works, Saxmundham, in the County of Suffolk, for an invention for—"Improvements in machinery applicable to steam cultivation."
Provisional protection only.

SMITH.
3rd May 1864.

1118. WILLIAM SMITH, of Lower Baggot Street, in the City of Dublin, Civil Engineer, for an invention for—"Improvements in the manufacture of artificial fuel."
Provisional protection only.

BEANES.
4th May 1864.

1119. EDWARD BEANES, of 24, Argyll Street, London, in the County of Middlesex, for an invention for—"Improvements in the treating of animal charcoal."
Provisional protection only.

MCDOWELL.
4th May 1864.

1120. JOHN MCDOWELL, of Liverpool, in the County of Lancaster, Coach Builder, for an invention for—"Improvements applicable to 'drags' and other wheeled carriages."
Letters Patent sealed.

HAMMERTON.
4th May 1864.

1121. BENJAMIN HAMMERTON, of Bolton, in the County of Lancaster, Safety Lamp Manufacturer and Brass Founder, for an invention for—"Improvements in miners' safety lamps."
Provisional protection only.

PARFREY.
4th May 1864.

1122. YOUNGS PARFREY, of Upper Belgrave Place, Pimlico, in the County of Middlesex, Engineer, for an invention for—"Improved machinery for filling, closing and finishing cartridges."
Letters Patent sealed.

McVITIE.
4th May 1864.

1123. WILLIAM McVITIE, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improved arrangements for inducing the circulation of a liquid for condensing or refrigerating."
Provisional protection only.

- POTTER.
4th May 1864. 1124. JOHN POTTER, of the City of Manchester, Civil and Consulting Engineer, for an invention for—"A new compound or composition for artificial stone, and for certain machinery or apparatus to be used in mixing and applying the said composition." *Letters Patent sealed.*
- REES.
4th May 1864. 1125. THOMAS HENRY REES, of Dennett Road, Hatcham, in the County of Surrey, for an invention for—"Improvements in blue coloring matters for washing purposes, and in receptacles for containing the same ready for use." *Letters Patent sealed.*
- HENLEY.
4th May 1864. 1126. WILLIAM THOMAS HENLEY, of Saint John Street Road, in the County of Middlesex, Telegraphic Engineer, for an invention for—"Improvements in telegraph wires and cables, and in apparatus used in their manufacture, parts of which improvements are applicable to other useful purposes." *Letters Patent sealed.*
- COGHLAN.
4th May 1864. 1127. MICHAEL COGHLAN, of Gurney Road, Stratford, in the County of Essex, for an invention for—"Improvements in floating fire-engines and in apparatus for extinguishing fire." *Provisional protection only.*
- THOMPSON.
4th May 1864. 1128. JOHN THOMPSON, of No. 13, Hilldrop Crescent, Camden Road, in the County of Middlesex, for an invention for—"Improvements in apparatus for securing stoppers in bottles." *Letters Patent sealed.*
- NEWTON.
4th May 1864. 1129. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in anchors."—*A communication to him from abroad by Charles Alexander Chamberlain, of Alleghany, in the State of Pennsylvania, United States of America.* *Letters Patent sealed.*
- JARVIS.
4th May 1864. 1130. WILLIAM JARVIS, of Banbury, in the County of Oxford, Ironmonger's Assistant, for an invention for—"Improvements in the application of brakes to carriages." *Provisional protection only.*
- RICHARDSON.
4th May 1864. 1131. CHARLES JAMES RICHARDSON, of No. 34, Kensington Square, Kensington, in the County of Middlesex, for an invention for—"Improvements in arranging steam-boiler and other furnaces in order to render them more suitable for burning petroleum and like oils." *Letters Patent sealed.*
- GARDNER.
LEE.
WAIN.
5th May 1864. 1132. JOSEPH GARDNER, RICHARD LEE, and GEORGE HENRY WAIN, all of Liverpool, in the County of Lancaster, for an invention for—"Improvements in the manufacture of inside and outside bindings or straps for pulley blocks and other articles, and in the application of malleable annealed iron or homogeneous steel or other metals to such purposes." *Letters Patent sealed.*
- DAVIES.
CATE.
CATE.
5th May 1864. 1133. WILLIAM DAVIES, and GEORGE CATE, Engineers, and WILLIAM CATE, Publisher, all of No. 7, Quality Court, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in machinery for cutting corks, bungs, gun wads and other similar articles." *Complete specification; protection for SIX months only.*
- EVANS.
5th May 1864. 1134. THOMAS EVANS, of the City of Manchester, County of Lancaster, Machinist, for an invention for—"Improvements in the construction of apparatus to apply to sewing-machines for making embroidery and other like ornamental work." *Provisional protection only.*
- HENSON.
5th May 1864. 1135. HENRY HENSON HENSON, of No. 13, Parliament Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in armour and other plating and sheathing for ships or vessels, partly applicable to other purposes." *Letters Patent sealed.*
- BEANES.
FINZEL.
5th May 1864. 1136. EDWARD BEANES, of 24, Argyll Street, in the County of Middlesex, Engineer, and CONRAD WILLIAM FINZEL, of the City of Bristol, Sugar Refiner, for an invention for—"Improvement in sugar boiling." *Letters Patent sealed.*
- BROOMAN.
5th May 1864. 1137. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in wheels."—*A communication to him from abroad by Jean Marc Frainet, of Marseilles, France.* *Provisional protection only.*

NEWTON.
5th May 1864.

1138. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the means of and apparatus for generating heat."—*A communication to him from abroad by Albert Borsig, Edward Freudenthal, and Alexander Daelen, all of Berlin, in the Kingdom of Prussia.*
Letters Patent sealed.

HASELTINE.
5th May 1864.

1139. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam-engines."—*A communication to him from abroad by James Atkins Woodbury, of Boston, Massachusetts, United States of America.*
Letters Patent sealed.

SIMPSON.
5th May 1864.

1140. WILLIAM SIMPSON, of Calais, in the Empire of France, for an invention for—"Improvements in the manufacture of laces and fabrics in twist lace machines."
Letters Patent sealed.

JEFFERSON.
JEFFERSON.
JEFFERSON.
JEFFERSON.
5th May 1864.

1141. ISAAC JEFFERSON, JOSEPH JEFFERSON, CORNELIUS JEFFERSON, LAZARUS JEFFERSON, and MORDECAI JEFFERSON, all of Bradford, in the County of York, Engineers and Machinists, for an invention for—"Improvements in railway break apparatus."
Letters Patent sealed.

MILLER.
5th May 1864.

1142. JAMES JOHN MILLER, junior, of No. 7, Clarendon Place, Vassall Road, Brixton, in the County of Surrey, for an invention for—"Improvements in steam-engines and pumps."
Letters Patent sealed.

SHORTTRIDGE.
6th May 1864.

1143. JOHN SHORTTRIDGE, of the firm of Shortridge, Howell and Company, Hartford Steel Works, Sheffield, in the County of York, Manufacturer, for an invention for—"Improvements in the manufacture of iron."
Provisional protection only.

ROBERTSON.
6th May 1864.

1144. WILLIAM ROBERTSON, of the City of Manchester, Engineer, for an invention for—"Certain improvements in machines for spinning and doubling."
Provisional protection only.

POOLE.
ASTBURY.
6th May 1864.

1145. JOHN HENRY POOLE, of the French Iron Company, near Wellington, in the County of Salop, and JOSEPH ASTBURY, of Hadley, near Wellington, aforesaid, Manager of Bar Iron Works, for an invention for—"Improvements in puddling furnaces."
Provisional protection only.

HODGSON.
MARTIN.
6th May 1864.

1146. GEORGE HODGSON, of Bradford, in the County of York, Machine Maker, and ALEXANDER HENNAH MARTIN, of Buttershaw Mills, near Bradford, aforesaid, Mechanic, for an invention for—"Improvements in means or apparatus employed when giving motion to rotary shuttle boxes of looms."
Letters Patent sealed.

TURNBULL.
6th May 1864.

1147. JAMES TURNBULL, of Port Glasgow, in the County of Renfrew, North Britain, Master Mariner, for an invention for—"Improvements relating to the masting of ships."
Letters Patent sealed.

HIRST.
6th May 1864.

1148. WILLIAM HIRST, of Halifax, in the County of York, Paper Manufacturer, for an invention for—"Improvements in machinery to be employed in the manufacture of paper or linen spool tubes, which machinery is also applicable for the manufacture of cartridge cases."
Letters Patent sealed.

RIEDER.
6th May 1864.

1149. AIMÉ RIEDER, Gentleman, of 13, Rue Gaillon, Paris, for an invention for—"Improvements in shades, spectacles and eye glasses, which can also be applied to telescopes and stereoscopes."
Letters Patent sealed.

STEWART.
GRESHAM.
6th May 1864.

1150. CHARLES PATRICK STEWART, of the Atlas Works, in the City of Manchester, and County of Lancaster, Mechanical Engineer, and JAMES GRESHAM, of the same place, Machinist, for an invention for—"Improvements in machinery for winding yarn or thread on to bobbins, spools or other similar surfaces."
Letters Patent sealed.

BARCLAY.
6th May 1864.

1151. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in certain apparatus for injecting and ejecting fluids."
Letters Patent sealed.

SWONNELL.
6th May 1864.

1152. ALFRED SWONNELL, of Lothian Road, Camberwell New Road, in the County of Surrey, Traveller, for an invention for—"Improvements in the construction of scarfs."
Letters Patent sealed.

- TOMLINSON.
6th May 1864. 1153. JOHN TOMLINSON, of the firm of John Tomlinson and Company, of the Town and County of the Town of Nottingham, Policeman, for an invention for—"Improvements in applying motive-power in the traction of omnibuses or other vehicles travelling upon highways or roads, the same being also applicable to ploughs or other agricultural implements working upon land or roads."
Provisional protection only.
- MARTIN,
6th May 1864. 1154. FRANÇOIS MARTIN, of Acton, in the County of Middlesex, for an invention for—"Improvements in anchors."
Letters Patent sealed.
- JOHNSON.
7th May 1864. 1155. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in protecting parts of boots and shoes."—*A communication to him from abroad by Horace Miltimore Bearce, of Boston, in the United States of America.*
Letters Patent sealed.
- JOHNSON.
7th May 1864. 1156. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for economizing the consumption of gas."—*A communication to him from abroad by Ernest Jourdan, of Paris, in the Empire of France.*
Letters Patent sealed.
- JOHNSON.
7th May 1864. 1157. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"A new article of dress."—*A communication to him from abroad by Antoine Perrin, Henry Augustin Joseph Hovelacque, Edward Joseph Hovelacque and Emile Auguste Hovelacque, of Paris, in the Empire of France.*
Letters Patent sealed.
- WAVISH.
7th May 1864. 1158. JAMES WAVISH, of Torpoint, in the County of Cornwall, Ironmonger, for an invention for—"Improvements in ship and other lamps subject to the exposure of high winds or uncertain motion."
Letters Patent sealed.
- CAMERON.
7th May 1864. 1159. JOHN CAMERON, of Hulme, City of Manchester, County of Lancaster, Engineer, for an invention for—"Improvements in the construction of lever punching machines."
Letters Patent sealed.
- HANDCOCK.
7th May 1864. 1160. ELIAS ROBISON HANDCOCK, of 23, Norfolk Street, Strand, in the County of Middlesex, Esquire, for an invention for—"Certain improvements in engines to be worked by steam or other motive-power."
Provisional protection only.
- NEWTON.
7th May 1864. 1161. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for facilitating the inhalation of medicinal substances."—*A communication to him from abroad by John Jones, of the City and State of New York, United States of America.*
Letters Patent sealed.
- ABBOTT.
7th May 1864. 1162. JOSEPH RICHARD ABBOTT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in gasaliers, chandeliers and other sliding pendent lamps."
Letters Patent sealed.
- POWELL.
7th May 1864. 1163. WILLIAM POWELL, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"An improvement or improvements in breech-loading fire-arms."
Letters Patent sealed.
- UPWARD.
7th May 1864. 1164. ALFRED UPWARD, of the Chartered Gas Company, of No. 146, Goswell Road, in the County of Middlesex, for an invention for—"Improvements in apparatus used for boring and tapping gas and water mains, and in fitting service pipes thereto."
Provisional protection only.
- HEYWOOD.
7th May 1864. 1165. EDWIN HEYWOOD, of Hill House, Halifax, in the County of York, for an invention for—"Improvements in means for holding fabrics in stretching and finishing apparatus, which improvements are also applicable to otherwise holding fabrics distended."
Letters Patent sealed.
- WOODWARD
7th May 1864. 1166. HENRY WOODWARD, of Euston Road, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in apparatus for carburetting gas."
Letters Patent sealed.
- TOMBS.
9th May 1864. 1167. EDWARD TOMBS, of Holloway, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the manufacture of crinolines and trimmings."
Letters Patent sealed.

EDGE and Son, of No. 11,
Agent, for an invention
rights."—*A communication*
St. Martin, Paris,
Provisional protection only.

the County of Warwick.
material to be used for
for such other purposes as
Letters Patent sealed.

Clarendon Road, in the
in machinery or appa-
Letters Patent sealed.

HEAD, junr., DAVID WHITE-
Whitehead and Sons, Manu-
your invention for—"Improve-
Letters Patent sealed.

of Sterling, North Britain, Iron
in the system or mode of cal-
and other materials, and in
Letters Patent sealed.

Union Road, Clapham, in the County
improvements in motive-power engines
Letters Patent sealed.

DEL REAL, of No. 7, Rue Mautrec,
for an invention for—"Improvements
Provisional protection only.

oke Newington, in the County of Middle-
in improvement in umbrellas."
Provisional protection only.

Pierre les Calais, in the Empire of France, and
Lace Manufacturers, for an invention for—
employed in the manufacture of lace by lace
also applicable in the manufacture of other
Letters Patent sealed.

in the County of Lancaster, Brewer, for an inven-
to self-acting mashing apparatus."
Provisional protection only.

NEWTON, of the Office for Patents, 66, Chancery Lane,
Mechanical Draughtsman, for an invention for—"Im-
to the heating and evaporating of fluids."—*A communi-*
by Leopold Wiart, of Cambrai, in the Empire of France.
Letters Patent sealed.

LYSTER, of New Dorset Place, Clapham Road, in the County
invention for—"An improved apparatus for obtaining certain thea-
Provisional protection only.

WILLIAM CONDRON, and RICHARD CONDRON, of Bingfield
Brush Manufacturers, and GEORGE RAYNER HARTSHORNE, of
Street, Draughtsman, all in the County of Middlesex, for an invention
improvements in the manufacture of brushes."
Letters Patent sealed.

JAMES ALFRED WANKLYN, Professor of Chemistry at the London Institu-
Finsbury Circus, for an invention for—"The manufacture of purple dye-stuffs
sugar."
Letters Patent sealed.

SAMUEL DREYFOUS, of Paris, France, Civil Engineer, for an invention for
improvements in air-canes or pea-shooters."
Letters Patent sealed.

- BUTLER.
10th May 1864. 1183. DANIEL BUTLER, of Islington, in the County of Middlesex, Tinfoil Warehouseman, for an invention for—"New or improved mechanical arrangements applicable to steam hammers specially useful in the manufacture of tinfoil."
Provisional protection only.
- ROWLAND.
10th May 1864. 1184. JAMES ROWLAND, of Salisbury, in the County of Wilts, Engineer, for an invention for—"Improvements in cocks, taps and valves." *Letters Patent sealed.*
- MORGANS.
10th May 1864. 1185. MORGAN MORGANS, of Brendon Hills, in the County of Somerset, Engineer, for an invention for—"Improvements in blast furnaces." *Letters Patent sealed.*
- CONEY.
10th May 1864. 1186. FREDERICK CONEY, of Waterloo Road, in the County of Surrey, Brush Maker, for an invention for—"Improvements in brushes."
Provisional protection only.
- THOMPSON.
10th May 1864. 1187. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in apparatus for stopping bottles, jars and other vessels."
Provisional protection only.
- JONES.
BROMWICH.
10th May 1864. 1188. DAVID JONES, of Birmingham, in the County of Warwick, Manufacturer, and BRYAN P'ANSON BROMWICH, of the same place, Gentleman, for an invention for—"Improvements in casks or other vessels for the storing and preservation of wines, spirits and other liquors or fluids, and for facilitating the drawing off of the same."
Provisional protection only.
- MOORE.
11th May 1864. 1189. JOSEPH MOORE, of Darlington, in the County of Durham, Engineer, for an invention for—"Improvements in machines for reaping and mowing."
Provisional protection only.
- YULE.
11th May 1864. 1190. JOHN YULE, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements relating to steam hammers and also applicable to pumping engines."
Provisional protection only.
- WALKER.
11th May 1864. 1191. THOMAS WALKER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in means or apparatus for the utilization of sewage matters, part of which improvements is applicable to raising and forcing other fluids."
Provisional protection only.
- BROWN.
PRICE.
11th May 1864. 1192. JAMES BROWN, of Aldgate, in the City of London, Chemist, and ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Chemist, for an invention for—"Improvements in the manufacture of blotting paper."
Letters Patent sealed.
- WEILD.
11th May 1864. 1193. WILLIAM WEILD, of the City of Manchester, and County of Lancaster, Consulting Engineer, for an invention for—"Improvements in the casting of ingots from metal prepared by Bessemer's process."
Letters Patent sealed.
- BOOTH.
BOOTH.
BOOTH.
11th May 1864. 1194. JOSEPH BOOTH, JOHN BOOTH, and JEREMIAH BOOTH, all of Rodley, in the Parish of Leeds, in the County of York, for an invention for—"Improvements in guy cranes and other similar cranes and pumping apparatus, and in gearing connected therewith and applicable to other cranes and hoisting machinery."
Letters Patent sealed.
- ALISON.
HALLIWELL.
11th May 1864. 1195. ALEXANDER ALISON, of No. 72, Sloane Street, Chelsea, in the County of Middlesex, Gentleman, and JAMES HALLIWELL, of No. 2, Queen Street Place, in the City of London, Railway Contractor, for an invention for—"Improvements in atmospheric railways."
Letters Patent sealed.
- GISBORNE.
11th May 1864. 1196. THOMAS MATTHEW GISBORNE, of Lymington, in the County of Southampton, for an invention for—"Improvements in kilns for burning bricks, tiles and other earthenware or ceramic articles, limestone and ores." *Letters Patent sealed.*
- MARTIN.
12th May 1864. 1197. CHARLES MARTIN, of Brentford, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of carriages."
Provisional protection only.
- WILSON.
12th May 1864. 1198. ROBERT WILSON, of Patricroft, near the City of Manchester, Engineer, for an invention for—"Certain improvements in and applicable to hydraulic and other presses, and in steam-engines and pumps for working the hydraulic presses, or forcing or raising fluids, also in apparatus for hooping bales of cotton and other substances."
Letters Patent sealed.

SACHS.
12th May 1864.

1199. OTTO SACHS, of Aldermanbury, in the City of London, for an invention for—"Improvements in the manufacture of aniline dye colors."—*A communication to him from abroad by Richard Froehling, of Gesrindbrunnen, Berlin, in the Prussian Empire.*
Provisional protection only.

PHILLIPS.
12th May 1864.

1200. JOHN PHILLIPS, of Halton, near Leeds, in the County of York, Gentleman, for an invention for—"Improvements in the purification of coal gas and in the application of the products resulting from such purification."

Provisional protection only.

PARKER.
12th May 1864.

1201. THOMAS PARKER, of Birmingham, in the County of Warwick, Chandelier and General Gas Fitting Manufacturer, for an invention for—"Certain improvements in gasaliers, which said improvements are also applicable to extending and contracting gas brackets."

Provisional protection only.

ROBINSON.
12th May 1864.

1202. SAMUEL ROBINSON, of 52, Great Brunswick Street, in the City of Dublin, Builder, for an invention for—"An improved name plate, letter receiver and bell-pull for doors."

Provisional protection only.

HORNE.
12th May 1864.

1203. WILLIAM HORNE, of the firm of Horne, Williams and Bartlett, of West Ham, in the County of Essex, Chemical Bleachers, for an invention for—"Improved methods of treating canvas, tarpawlings or other painted canvas to render them suitable for household and other useful purposes."

Letters Patent sealed.

NORTON.
12th May 1864.

1204. JAMES LEE NORTON, of Bell Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in machinery employed in tenting, stretching and drying fabrics, paper and other materials."

Letters Patent sealed.

KIRKHAM.
ENSON.
12th May 1864.

1205. THOMAS NESHAM KIRKHAM, of West Brompton, and VERNON FRANCIS ENSON, of Highgate, both in the County of Middlesex, for an invention for—"Improvements in cleaning, bleaching and dyeing woven fabrics and piece goods."

Letters Patent sealed.

BOULTON.
12th May 1864.

1206. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, for an invention for—"Improvements in obtaining motive-power from steam or aeriform fluids."

Provisional protection only.

BONNEVILLE.
12th May 1864.

1207. HENRI ADRIEN BONNEVILLE, of Paris, in the Empire of France, and 38, Porchester Terrace, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of stockings and socks."—*A communication from Pierre François Jean Baptiste Bezard, a person resident at Grandvilliers, in the Empire of France, aforesaid.*

Letters Patent sealed.

DWYER.
12th May 1864.

1208. ROBERT DOYNE DWYER, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for cleaning the bottoms of iron and other ships and navigable vessels."

Letters Patent sealed.

DODGEON.
GAUKROGER.
SHACKLETON.
12th May 1864.

1209. JOHN DODGEON, of Burnley, in the County of Lancaster, Commission Agent, JOHN GAUKROGER, of Hebden Bridge, in the County of York, Cotton Spinner and Manufacturer, and WILLIAM SHACKLETON, of Todmorden, in the County of Lancaster, Cotton Spinner and Manufacturer, for an invention for—"Improvements in looms for weaving."

Letters Patent sealed.

FAIRLIE.
12th May 1864.

1210. ROBERT FRANCIS FAIRLIE, of Gracechurch Street, in the City of London, Engineer, for an invention for—"Improvements in locomotive engines and boilers."

Letters Patent sealed.

MYERS.
PROGERS.
13th May 1864.

1211. EDWARD MYERS, of Millbank Row, Westminster, in the County of Middlesex, Civil Engineer, and THOMAS GUY PROGERS, of Cambridge Street, Pimlico, in the County of Middlesex, Manager to Mr. Thomas Edge, Gas Meter Manufacturer, Westminster, for an invention for—"Improvements in wet gas meters."

Letters Patent sealed.

GALL.
13th May 1864.

1212. ARTHUR GALL, of 26, Gloucester Terrace, Hyde Park Gardens, W., for an invention for—"Improvements in fire grates and apparatus for cleaning chimnies or flues."

Provisional protection only.

GOODRICH.
13th May 1864.

1213. ALFRED GOODRICH, of Eglington Road, in the County of Middlesex, for an invention for—"Improvements in carriages to be propelled by the human body."

Provisional protection only.

- BOUSFIELD.
13th May 1864.
1214. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of screws."—*A communication to him from abroad by Hayward Harvey, a person resident at New York, United States of America.*
Complete specification; Letters Patent sealed.
- BROOMAN.
13th May 1864.
1215. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved screw propeller."—*A communication to him from abroad by Jean Baptiste Guignes and Ange Chusin, both of Marseilles, France.*
Provisional protection only.
- HASELTINE.
13th May 1864.
1216. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in portable drilling machinery, parts of which are applicable to machines for other purposes."—*A communication to him from abroad by Isaac Sigler Lauback, of the City, County, and State of New York, United States of America.*
Letters Patent sealed.
- HENRY.
13th May 1864.
1217. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for indicating, measuring, counting and registering, especially applicable to time and distance indicators and tell tales for vehicles."—*A communication to him from abroad by François Joseph Ducoux, of 33, Boulevard Saint Martin, Paris, France.*
Letters Patent sealed.
- BATEMAN.
13th May 1864.
1218. DANIEL BATEMAN, of Low Moor, near Bradford, in the County of York, Card Manufacturer, for an invention for—"Improvements in the manufacture of card cloth and other water and oil proof fabrics." *Letters Patent sealed.*
- HUGHES.
13th May 1864.
1219. RICHARD HUGH HUGHES, of Hatton Garden, in the County of Middlesex, Engineer, for an invention for—"An improved means of warming or heating dinner-plates, dishes, cups or other domestic articles." *Letters Patent sealed.*
- LIDDELL.
13th May 1864.
1220. CHARLES LIDDELL, of Abingdon Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in the mode of and apparatus for constructing breakwaters, moles and other under-water erections." *Letters Patent sealed; no specification filed.*
- WEST.
13th May 1864.
1221. DANIEL WEST, of Egremont Place, Euston Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fireproof railway vans, trucks and carriages, and in fireproof cases for the reception of goods or merchandize to be conveyed by railway." *Letters Patent sealed.*
- GRIFFITHS.
14th May 1864.
1222. ROBERT GRIFFITHS, of Mornington Road, Regent's Park, in the County of Middlesex, Engineer, for an invention for—"Improvements in propelling ships or other vessels." *Letters Patent sealed.*
- FURRELL.
14th May 1864.
1223. EDWARD WYBURD FURRELL, of Marlborough Hill, Saint John's Wood, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the method of and apparatus for communicating between the guards and the engine drivers of railway trains." *Provisional protection only.*
- GYTE.
WALSH.
14th May 1864.
1224. BARTHOLOMEW GYTE, and MARTIN WALSH, both of Edale, in the County of Derby, Overlookers, for an invention for—"Improvements in machines for twisting and doubling yarn and thread." *Letters Patent sealed.*
- CRAVEN.
14th May 1864.
1225. PHINEHAS CRAVEN, of Thornton, near Bradford, in the County of York, for an invention for—"Improvements in means or apparatus for the manufacture of fringes for shawls or other fabrics requiring fringes." *Letters Patent sealed.*
- BLACKWELL.
14th May 1864.
1226. FRANCIS BLACKWELL, of Beeralston, near Tavistock, in the County of Devon, for an invention for—"Improved machinery for punching metal." *Letters Patent sealed.*
- NEWTON.
14th May 1864.
1227. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary engines."—*A communication to him from abroad by John Jones, of the City and State of New York, United States of America.*
Letters Patent sealed.
- FRYER.
14th May 1864.
1228. ALFRED FRYER, of Manchester, in the County of Lancaster, Sugar Refiner, for an invention for—"Improvements in treating animal charcoal in the process of revivification, and in apparatus employed therein." *Letters Patent sealed.*

BRICOUT. 14th May 1864.	1229. LOUIS BRICOUT, of the firm of Bricout and Berlet, of Reims, in the Empire of France, Manufacturers, for an invention for—"Improvements in apparatus employed in carburetting gas." <i>Letters Patent sealed.</i>
JONES. 14th May 1864.	1230. RICHARD JONES, of Birmingham, in the County of Warwick, Grocer, for an invention for—"An improved self-acting money till." <i>Letters Patent sealed.</i>
BRADY. 16th May 1864.	1231. JAMES BRADY, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in 'quilted' crinoline skirtings." <i>Provisional protection only.</i>
WOMERSLEY. 16th May 1864.	1232. JOSHUA WOMERSLEY, of the City of Norwich, Starch Manufacturer, for an invention for—"Improvements in the manufacture of paper from certain fibrous substances." <i>Letters Patent sealed.</i>
NEWTON. 16th May 1864.	1233. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mules for spinning."— <i>A communication to him from abroad by Pierre Adolphe Schlumberger, of Guebwiller, Haut Rhin, in the Empire of France.</i> <i>Letters Patent sealed.</i>
REID. 16th May 1864.	1234. WILLIAM REID, of No. 63, Adelaide Road, Haverstock Hill, in the County of Middlesex, for an invention for—"Improvements in apparatus used for testing the insulation of electric telegraph wires or conductors." <i>Letters Patent sealed.</i>
SOVEREIGN. 17th May 1864.	1235. LEVI LEMON SOVEREIGN, of 88, Pentonville Road, Islington, Engineer, for an invention for—"An improved agricultural implement for cultivating land and for sowing seed." <i>Letters Patent sealed, and specification filed by order.</i>
WILSON. 17th May 1864.	1236. WILLIAM WILSON, of the City of Manchester, in the County of Lancaster, Ironmonger, for an invention for—"Improvements in and apparatus for generating gas from hydro-carbon or other volatile oils, for illuminating and other purposes." <i>Letters Patent sealed.</i>
MACKIE. SALMON. 17th May 1864.	1237. ALEXANDER MACKIE, of Warrington, Newspaper Proprietor, and JAMES SALMON, of Manchester, Agent, both in the County of Lancaster, for an invention for—"An improved method of obtaining impressions from typographic surfaces." <i>Provisional protection only.</i>
CHAMBERS. 17th May 1864.	1238. GEORGE CHAMBERS, of the firm of George Chambers and Company, of Russia Row, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture of those articles called 'Bags' for the use of ladies, gentlemen, couriers and others." <i>Provisional protection NOT granted.</i>
WILSON. 17th May 1864.	1239. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in certain kinds of carriages." <i>Provisional protection only.</i>
FLETCHER. 17th May 1864.	1240. JOHN FLETCHER, of Winterton, in the County of Lincoln, Agricultural Engineer, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
ETESSE. 17th May 1864.	1241. PIERRE GERMAIN ETESSE, of Grande Rue de Passy, Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of mouldings and ornamental devices on wood." <i>Provisional protection only.</i>
HAMILTON. 17th May 1864.	1242. JOHN HAMILTON, junior, of Liverpool, for an invention for—"Improvements in electric telegraph posts." <i>Letters Patent sealed.</i>
BROOMAN. 17th May 1864.	1243. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in dyeing wool and other filamentous and textile materials, and in machinery employed therein."— <i>A communication to him from abroad by Jean Henri Chaudet, of Rouen, France.</i> <i>Letters Patent sealed.</i>
HUNTER. 17th May 1864.	1244. GEORGE HUNTER, of Maenturog, in the County of Merioneth, Engineer, for an invention for—"Improvements in apparatus for cutting marble, stone, slate and coal." <i>Letters Patent sealed.</i>
ROWAN. 17th May 1864.	1245. WILLIAM ROWAN, of the firm of John Rowan and Sons, of Belfast, in the County of Antrim, Engineers, for an invention for—"Improvements in machinery for treating flax and other vegetable fibres and tow." <i>Letters Patent sealed.</i>

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| <p>FOSTER.
ROWDEN.
17th May 1864.</p> <p>BAWDEN.
WILLIAMS.
WILLIAMS.
17th May 1864.</p> <p>WANKLYN.
18th May 1864.</p> <p>BOULENGER.
18th May 1864.</p> <p>PARSONS.
18th May 1864.</p> <p>DEAN.
18th May 1864.</p> <p>SMITH.
18th May 1864.</p> <p>RIMMER.
18th May 1864.</p> <p>MERRIKIN.
18th May 1864.</p> <p>GRÈME.
18th May 1864.</p> <p>ADKINS,
18th May 1864.</p> <p>CHILDS.
18th May 1864.</p> <p>WEBSTER.
18th May 1864.</p> <p>BROWNING.
18th May 1864.</p> <p>FAGG.
18th May 1864.</p> <p>HOMFRAY.
19th May 1864.</p> | <p>1246. SHERINTON FOSTER, of Hartlepool, in the County of Durham, Ship Broker, and WILLIAM ROWDEN, of Whitstable, in the County of Kent, Master Mariner, for an invention for—"Improved apparatus for reefing and furling the sails of ships or vessels."
<i>Letters Patent sealed.</i></p> <p>1247. PETER BAWDEN, JAMES WILLIAMS, and SAMUEL WILLIAMS, all of Notting Hill, in the County of Middlesex, for an invention for—"Improvements in machinery for making bricks."
<i>Letters Patent sealed.</i></p> <p>1248. WILLIAM WANKLYN, of the Albion Mills, Bury, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery for ginning cotton."
<i>Provisional protection only.</i></p> <p>1249. HIPPOLITE ALEXANDRE CELESTIN BOULENGER, of 82, Boulevard Sebastopol, Paris, in the Empire of France, for an invention for—"Improvements in the method of moulding and shaping plates and other similar articles."
<i>Letters Patent sealed.</i></p> <p>1250. PERCEVAL MOSES PARSONS, of Blackheath, in the County of Kent, Civil Engineer, for an invention for—"Improvements in ordnance and projectiles."
<i>Provisional protection only.</i></p> <p>1251. THOMAS DEAN, of Lamb's Conduit Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in buttons and in means of attaching buttons."
<i>Provisional protection only.</i></p> <p>1252. RICHARD SMITH, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in obtaining coloring matters."
<i>Provisional protection only.</i></p> <p>1253. RICHARD RIMMER, of Crow Hall, near Ipswich, in the County of Suffolk, for an invention for—"An instrument for laying hold of asparagus, globe artichokes or other vegetables."
<i>Provisional protection only.</i></p> <p>1254. JOHN BILBY MERRIKIN, of Bath, in the County of Somerset, for an invention for—"Improvements in bottles or vessels for containing poisons."
<i>Letters Patent sealed.</i></p> <p>1255. PATRICK ST. GEORGE GRÈME, of No. 9, Waterloo Place, Pall Mall, in the County of Middlesex, Captain R.A., for an invention for—"Improvements in ships or vessels for war and other purposes."
<i>Provisional protection only.</i></p> <p>1256. WILLIAM ADKINS, of the Birmingham and Sheffield Tool Works, No. 1, Lionel Street, Birmingham, in the County of Warwick, Manufacturer of Lathes, Stocks and Dies, Planing Machines and general Engineer's Tool Maker, for an invention for—"A new or improved lever wrench or self-adjusting spanner."
<i>Provisional protection only.</i></p> <p>1257. AUGUSTUS BRYANT CHILDS, Engineer, of 481, New Oxford Street, London, for an invention for—"Improvements in machinery for separating and elevating grain."
<i>Letters Patent sealed.</i></p> <p>1258. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of zinc."
<i>Letters Patent sealed.</i></p> <p>1259. JAMES BROWNING, of Grosvenor Road, Pimlico, in the County of Middlesex, White Lead Manufacturer, for an invention for—"Improvements applicable to street and other lamps or lanterns."
<i>Letters Patent sealed.</i></p> <p>1260. GEORGE FAGG, of Highbury New Park, in the County of Middlesex, for an invention for—"Improvements in paving roads and ways, parts of which improvements are also applicable to the permanent way of railways."
<i>Provisional protection only.</i></p> <p>1261. GEORGE HOMFRAY, of Witley Lodge, in the Parish of Halesowen, in the County of Worcester, Iron Manufacturer, for an invention for—"Improvements in the mode of making or forming the links of iron or steel chains, chain cables, shackles, couplings or parts of the same, and for machinery to be used therein."
<i>Letters Patent sealed.</i></p> |
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DUNLEVIE JONES. 19th May 1864.	1262. THOMAS DUNLEVIE, of the City of Dublin, Ireland, Coppersmith, and JOHN JONES, of Liverpool, in the County of Lancaster, Engineer, for an invention of—"Improvements in metallic alloys." <i>Letters Patent sealed.</i>
BAUER. 19th May 1864.	1263. WILLIAM BAUER, of Munich, in the Kingdom of Bavaria, but at present residing at No. 10, Chatham Place, Blackfriars, in the City of London, Submarine Engineer, for an invention for—"New and improved self-acting governors applicable to marine and stationary steam-engines, and to other motive-power engines." <i>Letters Patent sealed.</i>
COMBE. SMALPAGE. 19th May 1864.	1264. JOHN COMBE, of Leeds, Engineer, and JOHN HENRY SMALPAGE, of the same place, Woollen Draper and Tailor, for an invention for—"Improvements in the action and arrangement of machines for winding cops, and in apparatus for warping and beaming from cops, part of which improvements consisting of a differential motion is applicable to roving machines." <i>Letters Patent sealed.</i>
DELETANG. 19th May 1864.	1265. FRANÇOIS DELETANG, of Hatton Garden, in the County of Middlesex, Barometer Frame Maker, for an invention for—"Improvements in communicating rotary motion to shafts and axles." <i>Provisional protection only.</i>
DRAY. 19th May 1864.	1266. WILLIAM DRAY, of Arthur Street, London Bridge, in the City of London, Engineer, for an invention for—"An improved apparatus for raising carriages and other weights." <i>Provisional protection only.</i>
HARRIS. 19th May 1864.	1267. WILLIAM RANDAL HARRIS, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in carding-engines, part of which improvements is also applicable to other purposes." <i>Letters Patent sealed.</i>
SARGEANT. 19th May 1864.	1268. WILLIAM SARGEANT, of Bradfield on the Green, Northamptonshire, for an invention for—"Improvements in the construction of horse hoes and seed drills." <i>Provisional protection only.</i>
FRAZIER. 19th May 1864.	1269. JOHN FRAZIER, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
FREEMAN. FREEMAN. FREEMAN. 19th May 1864.	1270. JOSEPH FREEMAN, EDWARD GRACE FREEMAN, and CHARLES HENRY FREEMAN, all of Bridge Road, Battersea, in the County of Surrey, for an invention for "Improvements in treating oil and spirit varnishes, and also drying oils and turpentine, in order to bleach and otherwise improve the same." <i>Letters Patent sealed.</i>
DEFRIES. 20th May 1864.	1271. HENRY DEFRIES, of the firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Manufacturer, for an invention for—"Improvements in wick holders for lamps."— <i>A communication to him from abroad from Joseph Van Gelder, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
WILSON. 20th May 1864.	1272. EDWARD WILSON, Joiner, in the employ of Messieurs Robert Gardner and Company, of Preston, in the County of Lancaster, Manufacturers and Spinners, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
NOBLE. 20th May 1864.	1273. FREDERICK NOBLE, of 2½, James Street, Cannon Street Road, Saint George's in the East, in the County of Middlesex, Engineer, for an invention for—"New and improved machinery for raising and applying water and other fluids." <i>Provisional protection only.</i>
COWPER. 20th May 1864.	1274. EDWARD ALFRED COWPER, of No. 35A, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for separating cotton fibre from the seed." <i>Letters Patent sealed.</i>
DICKSON. 20th May 1864.	1275. SAMUEL ROBERT DICKSON, of the City and County of New Haven, State of Connecticut, United States of America, Engineer, for an invention for—"Improvements in ploughs." <i>Letters Patent sealed.</i>
HODGES. 20th May 1864.	1276. EDWARD HODGES, of Clifton, in the County of Gloucester, Doctor in Music, for an invention for—"Improvements in harmoniums." <i>Provisional protection only.</i>
TASKER. 20th May 1864.	1277. WILLIAM TASKER, the younger, of the Waterloo Iron Works, near Andover, in the County of Hants, Agricultural Engineer, for an invention for—"Improvements in combined thrashing machines." <i>Letters Patent sealed.</i>

NEWTON.
20th May 1864.

1278. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of fuses for projectiles."—*A communication to him from abroad by Arthur Anthoni Voruz, of Rue St. Sebastien, Paris, in the Empire of France.*

Letters Patent sealed.

BELHAM.
VALENTINE.
20th May 1864.

1279. JAMES BELHAM, of Earl's Court, Leicester Square, in the County of Middlesex, and GEORGE VALENTINE, of 36, Gresham Street, in the City of London, for an invention for—"Improvements in machinery for measuring and blocking woollen and other fabrics."

Letters Patent sealed.

MINASI.
21st May 1864.

1280. CARLO MINASI, of 218, Kentish Town Road, in the County of Middlesex, Professor of Music, for an invention for—"Improvements in apparatus for hatching eggs and for rearing birds artificially."

Letters Patent sealed.

EDWARDS.
21st May 1864.

1281. JOHN EDWARDS, of 29, Basinghall Street, in the City of London, for an invention for—"Improvements in the manufacture of fastenings for articles of dress and other purposes."

Letters Patent sealed.

WINKLES.
21st May 1864.

1282. JAMES ORLANDO WINKLES, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Improvements in fastenings for sleeve links, solitaires and other articles of jewellery."

Provisional protection only.

FOWLER.
21st May 1864.

1283. JOHN FOWLER, junior, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in horse shoes."

Letters Patent sealed.

TODMAN.
TODMAN.
21st May 1864.

1284. WILLIAM GEORGE TODMAN, and JOHN HENRY TODMAN, both of Bow Lane, in the City of London, Die Sinkers and Stamp Cutters, for an invention for—"Improvements in presses for printing or stamping."

Letters Patent sealed.

COLES.
21st May 1864.

1285. COWPER PHIPPS COLES, of Southsea, in the County of Hants, Captain in the Royal Navy, for an invention for—"Improvements in protecting the bottoms and sides of wooden and iron ships and other submerged structures."

Letters Patent sealed.

BROOMAN.
21st May 1864.

1286. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for increasing the illuminating power of gas, and for producing gas by the vaporization of hydrocarbons and essences of petroleum."—*A communication to him from abroad by Gustave Bouchery and Jules François Le Batteux, of Paris, France.*

Provisional protection only.

HINKS.
HINKS.
23rd May 1864.

1287. JOSEPH LESTER HINKS, of Birmingham, in the County of Warwick, Manufacturer, and JOHN HINKS, of Birmingham, aforesaid, Manufacturer, for an invention for—"Improvements in attaching knobs to doors and the surfaces of other articles, and to lock and latch spindles, part of which improvements may also be applied to fastening finger plates to doors."

Letters Patent sealed.

HOLMES.
23rd May 1864.

1288. JOSEPH ELLICOTT HOLMES, late of the United States of America, at present residing at Canningtown, in the County of Essex, for an invention for—"Certain improvements in the raising, lowering or conveying of fluids or solid bodies by atmospheric pressure, and in the manner of creating and adapting a vacuum to effect such purposes."

Provisional protection only.

HOWLETT.
23rd May 1864.

1289. WILLIAM HOWLETT, of 16, Cottage Grove, Mile End Road, in the County of Middlesex, Commercial Clerk, for an invention for—"Improvements in printing floor cloths, carpets and other similar goods, and in the machinery or apparatus to be employed therein."

Provisional protection only.

BOUSFIELD.
23rd May 1864.

1290. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for cutting files."—*A communication to him from abroad by William Thomas Nicholson, a person resident at Providence, Rhode Island, United States of America.*

Letters Patent sealed.

BOULTON.
24th May 1864.

1291. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, for an invention for—"Improvements in engines worked by means of heated air or gases and steam, part of which invention is also applicable to compressing air and æriform fluids."

Letters Patent sealed.

GOUNDRY. 24th May 1864.	1292. JOHN WESLEY GOUNDRY, of Old Shildon, near Darlington, in the County of Durham, for an invention for—"Improvements in organs and other wind musical instruments which are played with finger keys." <i>Provisional protection only.</i>
ADAMS. 24th May 1864.	1293. JAMES ADAMS, of No. 6, Archer Street, Great Windmill Street, in the County of Middlesex, for an invention for—"Improvements in cocks and apparatus for drawing off and regulating the flow of fluids." <i>Letters Patent sealed.</i>
CLARK. 24th May 1864.	1294. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for the manufacture of festooned edging or trimming."— <i>A communication to him from abroad by Henri François Timothée Mégraud, Merchant, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
ROSS. 25th May 1864.	1295. PETER ROSS, of Sheffield, in the County of York, Tool Manufacturer, for an invention for—"An improved handle or stock for tools and other articles to which handles or stocks are applied, together with an improvement in the shanks of the tools or other articles used therewith." <i>Provisional protection only.</i>
JONES. 25th May 1864.	1296. BENJAMIN JONES, of Warrington, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the mode or method of obtaining sulphur from alkali or blue waste." <i>Letters Patent sealed.</i>
MOULTON. 25th May 1864.	1297. GEORGE MOULTON, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in turntables applicable to over-head railways." <i>Letters Patent sealed.</i>
PASSMORE. 25th May 1864.	1298. WILLIAM PASSMORE, of No. 8, Laurie Place, Kirkdale, Central Sydenham, in the County of Kent, Cordwainer, for an invention for—"Making sewing-machines, rotary hair brushing machines, electrical apparatus and lathes self-acting." <i>Provisional protection only.</i>
LAW. 25th May 1864.	1299. WILLIAM LAW, of Birmingham, in the County of Warwick, Accountant Clerk, for an invention for—"A new or improved dress fastening, which said fastening is also applicable to the fastening of belts and bands, and to other like purposes." <i>Letters Patent sealed.</i>
SHAW. 25th May 1864.	1300. GEORGE SHAW, of Birmingham, in the County of Warwick, Patent Agent, for an invention for—"Improvements in apparatus for heating the steam-boilers of stationary, locomotive and marine engines, for heating stoves, and for heating purposes generally."— <i>A communication to him from abroad by Auguste Conrad Dewies, of Liège, in the Kingdom of Belgium.</i> <i>Letters Patent sealed; no specification filed.</i>
BAIRD. McINTYRE. 25th May 1864.	1301. JOHN BAIRD, and JOHN McINTYRE, both of Alexandria, in the County of Dumbarton, North Britain, Coppersmiths, for an invention for—"Certain improvements in apparatus employed for clearing and bleaching textile fabrics." <i>Letters Patent sealed.</i>
WHITING. 25th May 1864.	1302. JAMES EDWARD WHITING, of Dundalk, in the County of Louth, Civil Engineer, for an invention for—"Improvements in girders for bridges and other structures." <i>Provisional protection only.</i>
SCHAUB. 25th May 1864.	1303. GEORGE SCHAUB, of New Hanley Road West, Upper Holloway, in the County of Middlesex, Electro-Metallurgist, for an invention for—"An improved mode of transmitting currents of electricity for telegraphic purposes." <i>Provisional protection only.</i>
WIMSHURST. 25th May 1864.	1304. HENRY WIMSHURST, of No. 5, Cambridge Lodge Villas, Hackney, in the County of Middlesex, for an invention for—"Improvements in fitting screw and similar propellers for propelling ships and vessels." <i>Letters Patent sealed.</i>
HOLIDAY. 26th May 1864.	1305. RICHARD HOLIDAY, North London Railway Works, Bow, for an invention for—"Certain improvements in railway chairs, in chairs for points, and in levers for points." <i>Provisional protection only.</i>
DAVIES. 26th May 1864.	1306. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in gloves."— <i>A communication to him from abroad by Pierre Victor Mariotte, of Paris, Glove Manufacturer.</i> <i>Letters Patent sealed.</i>

- REDFERN.
26th May 1864.
1307. HENRY REDFERN, of the Town and County of the Town of Nottingham, Plumber, for an invention for—"Improvements in the manufacture of high-pressure cocks, taps or valves."
Letters Patent sealed.
- STÉVENAUX.
26th May 1864.
1308. LOUIS STÉVENAUX, of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"Improvements in sweating rooms for drying malt and other grains."
Provisional protection only.
- LUND.
26th May 1864.
1309. LAURENTINUS ANDREAS WALDEMAR LUND, of Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in the manufacture of studs, buttons, sleeve-links, brooches, bracelets, ear-rings, and other such like articles or fastenings."
Provisional protection only.
- BROWN.
26th May 1864.
1310. JOHN HARCOURT BROWN, of the Strand, in the City of Westminster, Gentleman, for an invention for—"Improvements in treating animal substances for the manufacture of size, pulp and pulpy matter, and converting the said pulp or pulpy matter into sheets, slabs, blocks, thread, hollow or tubular articles, and such other articles of commerce for which the said sheets, slabs, blocks, threads, hollow or tubular articles may be applicable."
Letters Patent sealed.
- BOUTET.
27th May 1864.
1311. CHARLES BOUTET, of Bridgefield Hall Old Station, Wandsworth, Engineer, for an invention for—"A new automaton break for the prevention of railway accidents."
Letters Patent sealed; specification filed by order.
- SIEVIER.
27th May 1864.
1312. ROBERT WILLIAM SIEVIER, of Rochester Road, Camden Town, in the County of Middlesex, for an invention for—"Improvements in cannons, mortars or guns."
Provisional protection only.
- HARWOOD.
WHITFORD.
27th May 1864.
1313. HENRY MILLINGTON HARWOOD, of Birmingham, in the County of Warwick, Manufacturer, and GEORGE WHITFORD, of St. John's Wood, in the County of Middlesex, Jeweller, for an invention for—"Improvements in bottle holders."
Letters Patent sealed.
- CLARK.
27th May 1864.
1314. DANIEL CLARK, of the City of Carlisle, in the County of Cumberland, Ironfounder, for an invention for—"Improvements in stench trapped gullies."
Complete specification; Letters Patent sealed.
- EASTWOOD.
27th May 1864.
1315. JAMES EASTWOOD, of Litchurch, near Derby, in the County of Derby, Engineer, for an invention for—"Improvements in machinery for puddling iron and steel iron."
Letters Patent sealed.
- WHITLEY.
BOWER.
27th May 1864.
1316. JOSEPH WHITLEY, of Leeds, in the County of York, Brass Founder, and DAVID FARRAR BOWER, of Hunslet, in the same County, Chemist, for an invention for—"Improvements in the manufacture of wheel tyres."
Letters Patent sealed.
- BREMME.
27th May 1864.
1317. GUSTAV ALBRECHT CARL BREMME, of Unna, in the Province of Westphalia, in the Kingdom of Prussia, Civil Engineer, for an invention for—"Improvements in and apparatus for the puddling of iron and steel."
Provisional protection only.
- BOUSFIELD.
27th May 1864.
1318. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in surface condensers."—*A communication to him from abroad by William Judson, a person resident at New York, United States of America.*
Letters Patent sealed.
- WALL.
27th May 1864.
1319. ARTHUR WALL, of Clapton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in purifying oils, in converting fatty, vegetable, mineral, or fishy substances into oils, and in the machinery or apparatus used therein."
Provisional protection only.
- BURKE.
27th May 1864.
1320. JAMES HASWELL BURKE, of the City of London, Photographer, for an invention for—"Improvements in lamps, vessels, tubes and cocks, specially useful for preventing the transmission of flame or explosive action when using petroleum, camphine or other inflammable or explosive substances."
Provisional protection only.
- HART.
27th May 1864.
1321. WILLIAM HART, of Dover, in the County of Kent, for an invention for—"Improved treddle motion arrangements, more especially applicable to the operations of bottle washing, and of twisting the wire for wiring the corks of bottles."
Provisional protection only.

HUDSON. CATLOW. 27th May 1864.	1322. JAMES HUDSON, of Burnley, in the County of Lancaster, Machine Maker, and CHRISTOPHER CATLOW, of the same place, Overlooker, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
FULLER. 27th May 1864.	1323. JIM BILLINGS FULLER, of Claremont, in the State of New Hampshire, United States of America, for an invention for—"Improvements in means for separating and cleansing vegetable fibres such as flax and hemp." <i>Letters Patent sealed.</i>
BROCKSIEPER. 27th May 1864.	1324. FREDERICK WILLIAM BROCKSIEPER, of Bridgeport, in the State of Connecticut, United States of America, for an invention for—"Improvements in means for regulating the flow of gas to burners." <i>Letters Patent sealed.</i>
LEES. 28th May 1864.	1325. JOHN WILLIAM LEES, of Waterhead Mill, near Oldham, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in the method of cleaning and preventing the formation of deposits upon the heating apparatus employed in boilers for generating steam." <i>Letters Patent sealed.</i>
DICKSON. 28th May 1864.	1326. JAMES DICKSON, of No. 5, Ann Street, Cork, Ireland, Land Steward, for an invention for—"Improvements in harrows applicable to cleaning green crops growing on drills or ridges, and other purposes." <i>Letters Patent sealed.</i>
THOMAS. 28th May 1864.	1327. JOHN THOMAS, of Battersea, in the County of Surrey, Iron Founder, for an invention for—"An improved paint." <i>Provisional protection only.</i>
ETIENNE. 28th May 1864.	1328. ANDRÉ ETIENNE, of Francis Street, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in the construction of carriages and vehicles, and of wheels applicable thereto." <i>Letters Patent sealed.</i>
CURTIS. 30th May 1864.	1329. MATTHEW CURTIS, of the City of Manchester, Machinist, for an invention for—"Certain improvements in machinery for opening cotton and other fibrous substances."— <i>A communication to him from abroad by William Joseph Johnson, of St. Petersburg, in the Empire of Russia.</i> <i>Provisional protection only.</i>
WILSON. 30th May 1864.	1330. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in gasaliers or gas slides." <i>Provisional protection only.</i>
BONNEVILLE. 30th May 1864.	1331. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of swivels."— <i>A communication from Georges Edouard Hachin, a person resident at Rue de Braque, Paris, in the Empire of France, aforesaid.</i> <i>Complete specification; Letters Patent sealed.</i>
HATTERSLEY. HILL. 30th May 1864.	1332. RICHARD LONGDEN HATTERSLEY, of Keighley, Machine Maker, and JAMES HILL, of Cross Hills, Overlooker, both in the County of York, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
GREENWAY. 30th May 1864.	1333. CHARLES GREENWAY, of Albert Place, Cheltenham, in the County of Gloucester, for an invention for—"Improvements in railway turntables." <i>Provisional protection only.</i>
ETESSE. 30th May 1864.	1334. PIERRE GERMAIN ETESSE, of Grande Rue de Passy, Paris, in the Empire of France, for an invention for—"Improvements in preparing cements applicable in the making of mouldings on wood and for other purposes." <i>Provisional protection only.</i>
DREW. 30th May 1864.	1335. THOMAS DREW, the elder, of No. 2, Derby Villa, Tranmere Park, Birkenhead, Merchant, for an invention for—"Improvements in the manufacture of paper, papier mâché and millboard." <i>Letters Patent sealed.</i>
PATERSON. 30th May 1864.	1336. JAMES PATERSON, of Greenoch, in the County of Renfrew, North Britain, Engineer, for an invention for—"Certain improvements in the cooling and preparation of charcoal to be used for refining sugar, and in the machinery, apparatus or means employed therefor." <i>Provisional protection only.</i>
HALSE. 30th May 1864.	1337. WILLIAM HALSE, of Tottenham Court Road, in the County of Middlesex, Cabinet Maker, for an invention for—"Improvements in tables." <i>Letters Patent sealed.</i>

- HALL.
30th May 1864. 1338. COLLINSON HALL, of Navestock, in the County of Essex, Agriculturalist, for an invention for—"Improvements in ploughs and in machinery or apparatus for working the same and other agricultural implements, by steam." *Letters Patent sealed.*
- HUGGETT.
30th May 1864. 1339. JOHN HUGGETT, of Eastbourne, in the County of Sussex, for an invention for—"Improvements in steam-engines, applicable also to pumps and gas exhausters." *Letters Patent sealed.*
- SMITH.
30th May 1864. 1340. WILLOUGHBY SMITH, of New North Road, in the County of Middlesex, Electrician, for an invention for—"Improvements in 'tell tales' or apparatus for registering or indicating the hour at which any desired apartment or spot has been visited." *Provisional protection only.*
- HERBERT.
STAINBANK.
30th May 1864. 1341. GEORGE HERBERT, of Summerhill, near Dartford, in the County of Kent, and ROBERT STAINBANK, of No. 3, Verulam Buildings, Gray's Inn, in the County of Middlesex, for an invention for—"Improvements in apparatus for sounding a bell applied to a buoy or other floating body." *Letters Patent sealed.*
- NEWTON.
30th May 1864. 1342. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the treatment of the low or poor products obtained in the manufacture or refining of sugar."—*A communication to him from abroad by Eugène Bertholomey, of Rue St. Sebastien, Paris, in the Empire of France.* *Letters Patent sealed.*
- ROCHETTE.
31st May 1864. 1343. FLORESTAN ROCHETTE, junior, of Paris, 39, Faubourg St. Martin (France), for an invention for—"New and improved hygienic drawers for females." *Provisional protection only.*
- HASELTINE.
31st May 1864. 1344. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech loading fire-arms."—*A communication to him from abroad by James Ingersoll Day, of Stonington, Connecticut, United States of America.* *Letters Patent sealed; specification filed by order.*
- DEELEY.
31st May 1864. 1345. PETER DEELEY, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"A new or improved machine for testing the strength of wire." *Letters Patent sealed.*
- DAVIES.
31st May 1864. 1346. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in artificial teeth and in moulds for forming the same."—*A communication to him from abroad by John Terrel and Joseph Stulb, both of Philadelphia, Pennsylvania, in the United States of America.* *Letters Patent sealed.*
- BROOMAN.
31st May 1864. 1347. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new method of and apparatus for reducing the circumference of metal hoops, rings and tyres."—*A communication to him from abroad by Jean Lamur, of Chalons sur Saone, France.* *Letters Patent sealed.*
- GEORGE.
31st May 1864. 1348. JOSEPH GEORGE, of Fulbourne Asylum, in the County of Cambridge, for an invention for—"An improved fire-escape." *Provisional protection only.*
- YOUNG.
31st May 1864. 1349. JAMES YOUNG, of Bucklersbury, in the City of London, Gentleman, for an invention for—"Improvements in the treatment or distillation of bituminous substances." *Letters Patent sealed.*
- STANLEY.
STANLEY.
31st May 1864. 1350. JOHN MARTIN STANLEY, and JABEZ STANLEY, of the Midland Works, Sheffield, in the County of York, for an invention for—"An improved apparatus to be applied for steam and blast engines, pumps, water mills and for other like purposes." *Letters Patent sealed.*
- FOWLER.
WEBB.
31st May 1864. 1351. JOHN FOWLER, of Leeds, in the County of York, Engineer, and THOMAS WEBB, of Smallwood Manor, Uttoxeter, in the County of Stafford, for an invention for—"Improvements in steam carriages to travel on common roads, and also in portable steam-engines." *Letters Patent sealed.*
- FIRTH.
FIRTH.
31st May 1864. 1352. WILLIAM FIRTH, of Burley, near Leeds, in the County of York, Merchant, and SAMUEL FIRTH, of the same place, Gentleman, for an invention for—"Improvements in machinery for cutting coal, stone or other minerals." *Letters Patent sealed.*

PLATT. HARTLEY. 31st May 1864.	1353. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and EDMUND HARTLEY, of the same place, Mechanical Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
ECKERSLEY. 1st June 1864.	1354. THOMAS ECKERSLEY, of Radcliffe, in the County of Lancaster, for an invention for—"Improvements in apparatus used for signalling in coal and other mines." <i>Provisional protection only.</i>
DONOVAN. BOWLES. 1st June 1864.	1355. RICHARD EDWARD DONOVAN, of Court Duffe, at Castleknock, in the County of Dublin, Gentleman, and ROBERT BOWLES, of Blackhall Place, in the City and County of Dublin, Farming Implement Manufacturer, for an invention for—"Improvements in the means for the prevention of fraud by altering cheques, drafts, bills, i. o. u's. and documents of any description relating to the payment and receipt of money." <i>Letters Patent sealed.</i>
TAYLOR. 1st June 1864.	1356. JACOB TAYLOR, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in propellers for ships and vessels." <i>Provisional protection only.</i>
DERING. 1st June 1864.	1357. GEORGE EDWARD DERING, of Lockleys, near Welwyn, in the County of Herts, for an invention for—"Improvements in fastenings for the permanent way of railways." <i>Letters Patent sealed.</i>
HUMPHREY. HASLER. 1st June 1864.	1358. CHARLES ROBERT HUMPHREY, and JOHN HASLER, both of Old Street, St. Luke's, in the County of Middlesex, Engineers, for an invention for—"Improvements in machinery or apparatus for preparing dough, paste and other similar plastic substances." <i>Letters Patent sealed.</i>
LONG. 1st June 1864.	1359. ALFRED LONG, of 3, Aylesbury Terrace, Walworth, in the County of Surrey, for an invention for—"Means or apparatus to facilitate the acquisition of languages, applicable also in producing various changes in musical combinations." <i>Provisional protection only.</i>
AMBLER. 1st June 1864.	1360. HENRY AMBLER, of Halifax, in the County of York, Manufacturer, for an invention for—"Improvements in singeing yarns and fabrics." <i>Letters Patent sealed.</i>
SCRINE. 1st June 1864.	1361. SAMUEL SCRINE, New North Road, in the County of Middlesex, Boot Maker, for an invention for—"Improvements in rope making machinery." <i>Provisional protection only.</i>
WARD. 1st June 1864.	1362. FREDERICK OLDFIELD WARD, of 6, Hertford Street, Mayfair, in the County of Middlesex, for an invention for—"Improvements in the manufacture of chromic acid and chromates." <i>Letters Patent sealed.</i>
KINNINGS. GIBBS. EDWARDS. 1st June 1864.	1363. LUKE KINNINGS, and GEORGE GIBBS, trading under the style or firm of Kinnings and Gibbs, Stay and Crinoline Skirt Manufacturers, of Birmingham, in the County of Warwick, and WILLIAM THOMAS EDWARDS, Engraver, also of Birmingham, aforesaid, for an invention for—"Certain improvements in crinoline fasteners." <i>Letters Patent sealed.</i>
SYKES. 1st June 1864.	1364. JAMES SYKES, of Stanhope Street, Hampstead Road, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for stencilling."— <i>A communication to him from abroad by Joseph Sykes, of Muscatine, Iowa, in the United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 1st June 1864.	1365. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus to be applied to clavichord instruments."— <i>A communication to him from abroad by John Winter Jones, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PRIEGER. 2nd June 1864.	1366. OSCAR EUGEN PRIEGER, of Bonn, in the Kingdom of Prussia, at present residing in the City of Manchester, Doctor of Medicine, for an invention for—"The manufacture of ferromanganese and cupromanganese and the combinations or alloys thereof with other metals." <i>Letters Patent sealed.</i>
DE FONTAINEMOREAU. 2nd June 1864.	1367. PETER ARMAND LE COMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"An improved machine for cutting leather stuff, mill board and other similar articles."— <i>A communication from Antoine Peter, a person resident at Paris, in the Empire of France.</i> <i>Provisional protection only.</i>

CORMACK.
2nd June 1864.

1368. WILLIAM CORMACK, of 15, Little Moorfields, in the City of London. Chemist, for an invention for—"Improvements in the distillation or destructive distillation of all solid matters or semi-solid matters capable of yielding fluids, or gaseous hydrocarbons or other products of any kind whatsoever, be they liquids, fluids or solids, such as pit coal, boghead or other bituminous coal or shale, peat, wood, asphalts, tallow, lard, fats or other semi-solid matters, and in the treatment of the same." *Provisional protection only.*

THRELFALL.
PITFIELD.
2nd June 1864.

1369. RICHARD THRELFALL, of Bolton, in the County of Lancaster, Machine Maker, and ROBERT WALKER PITFIELD, of the same place, Machinist, for an invention for—"Improvements in machinery or apparatus for spinning cotton, wool, flax and other fibrous materials." *Letters Patent sealed.*

MELLOR.
2nd June 1864.

1370. WILLIAM HENRY MELLOR, of Liverpool, in the County of Lancaster, Common Brewer, for an invention for—"Improvements in self-acting mashing or saturating apparatus for the use of brewers, distillers and others." *Letters Patent sealed.*

MYERS.
2nd June 1864.

1371. EDWARD MYERS, of Millbank Row, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of rotary pumps." *Letters Patent sealed.*

BROOMAN.
2nd June 1864.

1372. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in ordnance and in gun carriages."—*A communication to him from abroad by Theophilus Alexander Blakely, at present residing in Saint Petersburg, Russia.* *Letters Patent sealed.*

BROOMAN.
2nd June 1864.

1373. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in lubricating axles and other moving parts of machinery."—*A communication to him from abroad by Jean François Auguste Aerts of Antvers, Belgium.* *Letters Patent sealed.*

CLARK.
2nd June 1864.

1374. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the mode of heating animal, vegetable and mineral matters, whereby to effect their denaturation, vaporization, decomposition, reduction, fusion or volatilization, and in apparatus for the same."—*A communication to him from abroad by Henri Adolphe Archereau, Chemist, of 29, Boulevard St. Martin, Paris.* *Letters Patent sealed.*

WARD.
2nd June 1864.

1375. FREDERICK OLDFIELD WARD, of No. 6, Hertford Street, May Fair, in the County of Middlesex, for an invention for—"Improvements in processes and apparatus for treating alkaliferous minerals to obtain alkalies, alkaline salts, alumina and accessory products." *Letters Patent sealed.*

NEWTON.
2nd June 1864.

1376. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in refrigerators or apparatus for cooling the injection water of marine steam-engines."—*A communication to him from abroad by William Lighthall, of the City of New York, in the United States of America.* *Letters Patent sealed.*

McCOMB.
2nd June 1864.

1377. JAMES JENNINGS McCOMB, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in the construction of presses for forming bales of cotton and other materials, and in apparatus to be employed in securing bands to such bales." *Letters Patent sealed.*

COLES.
JAQUES.
FANSHAWE.
2nd June 1864.

1378. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, JAMES ARCHIBALD JAQUES, of Tottenham, in the County of Middlesex, Chemist, and JOHN AMERICUS FANSHAWE, of the same place, Engineer, for an invention for—"Improvements in the manufacture of tubular and hollow articles." *Provisional protection only.*

LEE.
3rd June 1864.

1379. JOSEPH WILLIAM LEE, of Princess Street, Leicester, in the Borough of Leicester, for an invention for—"Improvements in traction engines for ploughing, threshing and other purposes." *Provisional protection only.*

ASHE.
3rd June 1864.

1380. FREDERICK ASHE, of Manchester, in the County of Lancaster, Gentleman, for an invention for—"Certain improvements in the method of fastening and securing tires upon wheels for carriages."—*A communication to him from abroad by William Alsop Ashe, of New York, U. S. America.* *Letters Patent sealed.*

HEAL. 3rd June 1864.	1381. JAMES BLACKMORE HEAL, of East Nynhead, near Wellington, in the County of Somerset, farmer, for an invention for—"Improvements in machinery or apparatus for drilling or depositing turnip and other seeds and manure." <i>Provisional protection only.</i>
WILLIAMS. 3rd June 1864.	1382. ALFRED HAMLYN WILLIAMS, of Fenchurch Street, in the City of London, Dressing and Writing Case Maker, for an invention for—"An improved fastening for purses, pocket books, belts and other articles." <i>Letters Patent sealed.</i>
CALVERT. 3rd June 1864.	1383. WILLIAM CALVERT, of Kentish Town, in the County of Middlesex, Clerk, for an invention for—"Improvements in the construction of ships' propellers." <i>Provisional protection only.</i>
NEWTON. 3rd June 1864.	1384. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in planing machines."— <i>A communication to him from abroad by William Sellers, of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
HOLDEN. 3rd June 1864.	1385. THOMAS HOLDEN, of Rawtenstall, in the County of Lancaster, Carder for Messrs. Peter Whitehead and Sons, for an invention for—"Improvements in the method of driving cylinders and doffers of carding-engines." <i>Letters Patent sealed.</i>
CLARK. 3rd June 1864.	1386. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in electro-magnetic and magneto-electric apparatus, and their application as a stationary or locomotive driving power."— <i>A communication to him from abroad by Jean Henry Cazal, Civil Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
AZULAY. 3rd June 1864.	1387. BONDY AZULAY, of Rotherhithe, in the County of Surrey, Printer, for an invention for—"Improvements in treating petroleum and its products, and in the application of apparatus for that purpose." <i>Letters Patent sealed.</i>
HOUGHTON. BURROWS. OLDROYD. 4th June 1864.	1388. WILLIAM HOUGHTON, of Gomersal, in the County of York, Machine Maker, GEORGE BURROWS, of Birstal, in the same County, Manufacturer, and CHARLEY OLDROYD, of the same place, Spinner, for an invention for—"Improvements in self-acting mules." <i>Letters Patent sealed.</i>
WILSON. 4th June 1864.	1389. THOMAS WILSON, of Birmingham, in the County of Warwick Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms, and in projectiles and cartridges." <i>Provisional protection only.</i>
TOLHAUSEN. 4th June 1864.	1390. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Civil Engineer and Patent Agent, for an invention for—"Improvements in purifying or refining oils."— <i>A communication from Henry Holz and Lucien Guerot, Manufacturers, two persons resident at No. 93, Route d'Asnières, Levallois, near Paris.</i> <i>Provisional protection only.</i>
LEDGER. 4th June 1864.	1391. EDWARD LEDGER, of 241, Albany Road, Camberwell, in the County of Surrey, Merchant, for an invention for—"A new machine for dividing into filaments various materials used in the manufacture of paper, such as rags, woods, barks and fibrous substances." <i>Letters Patent sealed.</i>
SMITH. 4th June 1864.	1392. JOSEPH SMITH, of Coventry, in the County of Warwick, Ribbon Weaver, for an invention for—"Improvements in apparatus for weaving ornamental fabrics." <i>Letters Patent sealed.</i>
CHEETHAM. 4th June 1864.	1393. WILLIAM THOMAS CHEETHAM, of Ashton-under-Lyne, in the County of Lancaster, Mechanical Draughtsman, for an invention for—"Improvements in obtaining hydraulic motive-power." <i>Letters Patent sealed.</i>
COLES. JAQUES. FANSHAWE. 4th June 1864.	1394. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, JAMES ARCHIBALD JAQUES, Chemist, and JOHN AMERICUS FANSHAWE, Engineer, both of Tottenham, in the County of Middlesex, for an invention for—"Improved machinery or apparatus for producing thin strips or filaments from various substances." <i>Letters Patent sealed.</i>
MATTHEWS. 4th June 1864.	1395. WILLIAM JAMES MATTHEWS, of Albert Place, New Street, Aston New Town, Birmingham, in the County of Warwick, Fire Arm Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>

- HILL.
4th June 1864. 1396. HENRY HILL, of the Town and County of the Town of Nottingham, Plumber and Brass Founder, for an invention for—"Improvements in the manufacture of taps or cocks." *Letters Patent sealed.*
- ELLIS.
4th June 1864. 1397. GEORGE HENRY ELLIS, of Wellington Road, Bromley, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in apparatus for washing, wringing, rinsing, mangling and drying clothes and other articles." *Provisional protection only.*
- SNIDER.
4th June 1864. 1398. JACOB SNIDER, junior, of Chancery Lane, in the County of Middlesex, Merchant, for an invention for—"Improvements in ordnance." *Letters Patent sealed.*
- DODGE.
4th June 1864. 1399. JAMES DODGE, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery or apparatus for cutting the teeth of bevel wheels or patterns for such wheels." *Letters Patent sealed.*
- CROOK.
6th June 1864. 1400. BENJAMIN EDWARD MAKIN CROOK, of Halifax, in the County of York, Engineer, for an invention for—"Improvements in boilers used when heating buildings and other structures by the circulation of hot water." *Letters Patent sealed.*
- NAPIER.
6th June 1864. 1401. JAMES NAPIER, of Glasgow, in the County of Lanark, Chemist, for an invention for—"Improvements in separating certain metals and metallic substances from ores and other matters." *Letters Patent sealed.*
- BERREY.
LITCHFIELD.
6th June 1864. 1402. GEORGE BERREY, of the Town and County of the Town of Nottingham, Lace Manufacturer, and JOSEPH LITCHFIELD, of the said Town and County of the Town of Nottingham, Manager, for an invention for—"Improvements in the manufacture of carriages employed in bobbin net or twist lace machines." *Provisional protection only.*
- GEDGE,
6th June 1864. 1403. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of Number 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved typographical compositing machinery or apparatus."—*A communication to him from abroad by Pierre Flamm, of 15, Passage des Petites Ecuries, Paris, France, Manufacturer. Complete specification; Letters Patent sealed.*
- MIGOTTI.
6th June 1864. 1404. GIRADO MIGOTTI, of No. 76, Upper Seymour Street, Euston Square, in the Parish of Saint Pancras, and County of Middlesex, Gentleman, for an invention for—"An improved means of clearing away and removing sand, mud or other similar accumulations from dock or canal entrances, the beds of rivers and such like places." *Provisional protection only.*
- PREECE.
6th June 1864. 1405. WILLIAM HENRY PREECE, of the Town and County of Southampton, Civil Engineer, for an invention for—"Improved domestic telegraphic apparatus." *Letters Patent sealed.*
- LOYSEL.
6th June 1864. 1406. EDWARD LOYSEL, of Manor House, Old Town, Clapham, in the County of Surrey, Civil Engineer, for an invention for—"Improved apparatus for obtaining extracts from tea, coffee and other vegetable substances." *Provisional protection only.*
- AVELING.
LAKE.
6th June 1864. 1407. THOMAS AVELING, of Rochester, in the County of Kent, Engineer, and THOMAS LAKE, of Tong, in the County of Kent, Farmer, for an invention for—"Improved apparatus to be used in steam cultivation." *Letters Patent sealed.*
- CLARK.
6th June 1864. 1408. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the preparation of phosphates of ammonia and ammoniaco-magnesian phosphate."—*A communication to him from abroad by Emmanuel Adrien Lesieur, of 29, Boulevard St. Martin, Paris, Engineer Chemist. Letters Patent sealed.*
- HUGHES.
7th June 1864. 1409. EDWARD JOSEPH HUGHES, of the City of Manchester, in the County of Lancaster, Patent Agent, for an invention for—"Improvements in dyeing and printing."—*A communication to him from abroad by Charles Lauth, of Paris, in the Empire of France. Letters Patent sealed.*
- SMITH.
FILDES.
7th June 1864. 1410. WILLIAM SMITH and JOHN GUEST FILDES, Iron Founders and Engineers, both of Elton, near Bury, in the County of Lancaster, for an invention for—"Improvements in cotton gins." *Provisional protection only.*

AVERY. 7th June 1864.	1411. WILLIAM AVERY, of the firm of James, Sons and Avery, of Birmingham, in the County of Warwick, Screw Manufacturers, for an invention for—"A new or improved machine for grinding the tools used in turning or shaving the heads of wood screws and other similar articles." <i>Provisional protection only.</i>
BONNEVILLE. 7th June 1864.	1412. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in telegraphic printing apparatus."— <i>A communication from Victor Delaye, a person residing at Rue de la Paix, Paris, in the Empire of France, aforesaid.</i> <i>Letters Patent sealed.</i>
CLARK. 7th June 1864.	1413. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in machinery or apparatus and in the application thereof for the printing of fabrics."— <i>A communication to him from abroad by Jean Baptiste Donnee, Lithographic Printer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
BROOMAN. 7th June 1864.	1414. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for feeding wool and other textile and filamentous substances into carding, combing and other machines for treating such substances."— <i>A communication to him from abroad by A. Demoulin, of Pepinster, Belgium, and Jean Sebastien Bolette, of Goffontaine-Cornesse, Belgium.</i> <i>Letters Patent sealed.</i>
FRASER. 7th June 1864.	1415. JOHN FRASER, of Number 73, Mildmay Road, Islington, in the County of Middlesex, for an invention for—"Improvements in arranging and actuating window curtains, and apparatus connected therewith." <i>Provisional protection only.</i>
BECK. 7th June 1864.	1416. JOHN BECK, Sanitary Engineer, of Great Suffolk Street, Southwark, in the County of Surrey, for an invention for—"Improvements in water closets, lavatories, urinals, valves and stench traps." <i>Letters Patent sealed.</i>
WADE. 7th June 1864.	1417. JOSEPH ARMYTAGE WADE, of Kingston-upon-Hull, for an invention for—"Improvements in machinery or apparatus for treating clay and other substances." <i>Letters Patent sealed.</i>
WELD. POWELL. 7th June 1864.	1418. ARTHUR THOMAS WELD, of Gravesend, in the County of Kent, Civil Engineer, and JOHN FOLLIOTT POWELL, of Albion Place, Hyde Park, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the separation of animal substances from rags of mixed fabric." <i>Provisional protection only.</i>
LARMUTH. 7th June 1864.	1419. ALFRED AUGUSTUS LARMUTH, of Salford, in the County of Lancaster, Dentist, for an invention for—"Improvements in hats, caps, bonnets or other such coverings for the head, which improvements are also applicable to corsets or stays, and saddlery or harness." <i>Letters Patent sealed.</i>
NEWTON. 7th June 1864.	1420. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mounting and operating heavy ordnance."— <i>A communication to him from abroad by James Eads, of the City and County of Saint Louis, State of Missouri, United States of America.</i> <i>Letters Patent sealed.</i>
SUCKOW. 8th June 1864.	1421. EDMUND SUCKOW, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for preparing, doubling or twisting cotton, wool or other fibrous materials." <i>Provisional protection only.</i>
PARKES. 8th June 1864.	1422. JAMES PARKES, of Handsworth, in the County of Stafford, Gentleman, for an invention for—"Improvements in handles for carpet bags, portmanteaus, ladies' reticules, packages and vessels, and for other articles which are or may be carried by handles." <i>Provisional protection only.</i>
BRAGG. BRIDGEMAN. 8th June 1864.	1423. ASTON BRAGG, of the New North Road, Artist, and GEORGE WILLIAM BRIDGEMAN, of Margaret Street, Surgeon, both in the County of Middlesex, for an invention for—"Improvements in the construction of screws whereby they are rendered applicable to lifting, propelling, and to various other useful purposes." <i>Provisional protection only.</i>

JOHNSON. 8th June 1864.	1424. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of steam generators, applicable also to the construction of condensers, the heating of water generally, and to the warming of buildings."— <i>A communication to him from abroad by Joseph Harrison, the younger, of the City of Philadelphia, in the State of Pennsylvania, United States of America, Engineer.</i> <i>Letters Patent sealed.</i>
RICHARDS. 8th June 1864.	1425. THOMAS RICHARDS, of Wincanton, in the County of Somerset, Ironmonger, for an invention for—"Improvements in liquid manure and water carts." <i>Letters Patent sealed.</i>
WARLICH. 8th June 1864.	1426. FERDINAND HENRY WARLICH, of No. 4, Maze Hill, Greenwich, in the County of Kent, for an invention for—"Improvements in the manufacture of artificial block fuel and coke, and in apparatus employed therein." <i>Letters Patent sealed.</i>
CRICK. 8th June 1864.	1427. JOHN THRONE CRICK, of Leicester, Boot Manufacturer, for an invention for—"Improvements in the manufacture of boots, shoes and slippers." <i>Letters Patent sealed.</i>
TWEEDALE. 8th June 1864.	1428. ABRAHAM TWEEDALE, of Healey Hall, near Rochdale, in the County of Lancaster, Wool Carder, for an invention for—"Improvements in temples for looms." <i>Letters Patent sealed.</i>
NEWTON. 8th June 1864.	1429. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for making horse shoes."— <i>A communication to him from abroad by Augustus Seeley, of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
SMITH. SMITH. 9th June 1864.	1430. MICHAEL SMITH, and JOHN SMITH, of No. 1, Grinfield Street, Liverpool, in the County of Lancashire, for an invention for—"Improvements in corking bottles and the machinery or apparatus applicable thereto." <i>Provisional protection only.</i>
PARSONS. 9th June 1864.	1431. PERCEVAL MOSES PARSONS, of Blackheath, in the County of Kent, Civil Engineer, for an invention for—"Improvements in ordnance, fire-arms and projectiles." <i>Letters Patent sealed.</i>
OLDRIDGE. 9th June 1864.	1432. ROBERT OLDRIDGE, of 53, Gracechurch Street, London, for an invention for—"Improvements in the mode of working the rudders of boats, ships and other vessels." <i>Letters Patent sealed.</i>
ROWAT. 9th June 1864.	1433. ROBERT ROWAT, of Glasgow, in the County of Lanark, North Britain, Wire Worker, for an invention for—"Improved apparatus for separating granular matters." <i>Provisional protection only.</i>
ONIONS. 9th June 1864.	1434. JOHN ONIONS, of 133, Union Street, Southwark, in the County of Surrey, Engineer and Ironfounder, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed; specification filed by order.</i>
CORSAN. 9th June 1864.	1435. WILLIAM CARSON CORSAN, of Little Pond Street, Sheffield, in the County of York, Merchant, for an invention for—"Improvements in welding steel and cast or malleable iron." <i>Provisional protection only.</i>
HENRY. 9th June 1864.	1436. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in gas-regulators, also in gauges and clocks."— <i>A communication to him from abroad by Henry Giroud, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
HAYDEN. 9th June 1864.	1437. HIRAM WASHINGTON HAYDEN, of Waterbury, in the State of Connecticut, United States of America, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
SARONY. 9th June 1864.	1438. NAPOLEON SARONY, of Birmingham, in the County of Warwick, Artist, for an invention for—"Improvements in the production and treatment of photographic portraits or pictures." <i>Letters Patent sealed.</i>
HARDACRE. 10th June 1864.	1439. JAMES HARDACRE, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery or apparatus for preparing cotton and other fibrous materials to be spun." <i>Provisional protection only.</i>

TOLHAUSEN. 10th June 1864.	1440. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in braiding machines."— <i>A communication from François Boulanger, a person resident at Paris, 149, Boulevard Magenta, aforesaid.</i> <i>Letters Patent sealed.</i>
HUGO. DOMEIER. 10th June 1864.	1441. WILLIAM HUGO, of Celle, in the Kingdom of Hanover, and ALBERT DOMEIER, of No. 4, St. Benets Place, Gracechurch Street, in the City of London, for an invention for—"Improvements in the manufacture of umbrellas and parasols." <i>Letters Patent sealed.</i>
WILLIAMS. ROBINSON. 10th June 1864.	1442. JOSIAH PEMBERTON WILLIAMS, and THOMAS ROBINSON, of Widnes Foundry, Widnes Dock, near Warrington, in the County of Lancaster, for an invention for—"Improvements in annealing wire." <i>Letters Patent sealed.</i>
SNELL. 10th June 1864.	1443. CHARLES HILL SNELL, of Bow Common, in the County of Middlesex, Soap Manufacturer, for an invention for—"Improvements in the manufacture of soaps and saponaceous compounds." <i>Provisional protection only.</i>
BROOMAN. 10th June 1864.	1444. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in frames for spinning wool, cotton and other textile and filamentous substances."— <i>A communication to him from abroad by Hippolyte Auguste Fostier, of Sémeries, France.</i> <i>Letters Patent sealed.</i>
JAMES. 10th June 1864.	1445. WILLIAM HENRY JAMES, of the Old Kent Road, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in steam and air engines." <i>Letters Patent sealed.</i>
FOXLEY. 10th June 1864.	1446. JOHN FOXLEY, of Stony Stratford, in the County of Bucks, Brickmaker, for an invention for—"Improvements in bricks used for walls to which trees are to be attached." <i>Letters Patent sealed.</i>
SIEMENS. 10th June 1864.	1447. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in apparatus for producing combustible gases, part of which improvements are applicable for indicating the pressure of gases and fluids generally." <i>Provisional protection only.</i>
HALL. CHAMBERS. 11th June 1864.	1448. ROBERT HALL, of Bury, in the County of Lancaster, Machine Maker, and JAMES CHAMBERS, of the same place, Foreman, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
TUCHET. 11th June 1864.	1449. SUSAN TUCHET, commonly called the Honorable Susan Tuchet, of 14, Liverpool Street, Dover, in the County of Kent, Spinster, for an invention for—"Improvements in the construction of rollers for window-blinds." <i>Letters Patent sealed.</i>
WALKER. 11th June 1864.	1450. AUGUSTUS WALKER, of the City of Buffalo, State of New York, United States of America, for an invention for—"Improvements in the construction of steam and sailing vessels for naval and merchant service, and in the mode of arming and working the same." <i>Provisional protection only.</i>
ABBOTT. 11th June 1864.	1451. WILLIAM ABBOTT, of St. Paul's Buildings, in the City of London, Merchant, for an invention for—"An improved construction of lantern."— <i>A communication to him from abroad by Michael Alexander Dietz, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
SPENCE. SPENCE. 11th June 1864.	1452. PETER SPENCE, of Newton Heath, in the County of Lancaster, Manufacturing Chemist, and JOHN BERGER SPENCE, of the same place, Manufacturing Chemist, for an invention for—"Improvements in calcining and smelting copper ores." <i>Letters Patent sealed.</i>
RYDILL. 11th June 1864.	1453. GEORGE RYDILL, of Dewsbury, in the County of York, for an invention for—"Improvements in treating mixed fabric, rags containing vegetable and animal fibre and known in the trade as linsey skirtings, shallies, frize, serge, extract wool, shoddies and waste, to destroy the cotton and obtain a yellow color, and give a milling or felting property to extract rags and extract material." <i>Provisional protection only.</i>
ST. MARTIN. 13th June 1864.	1454. HENRI REDA DE ST. MARTIN, of No. 53, Willes Road, Prince of Wales Road, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in apparatus or instruments for describing or drawing elliptical figures." <i>Provisional protection only.</i>

FITTON. 13th June 1864.	1455. EDWARD GERRARD FITTON, of the City of Manchester, Machinist, for an invention for—"Certain improvements in or applicable to carding-engines." <i>Letters Patent sealed.</i>
SHARP. 13th June 1864.	1456. WILLIAM SHARP, of the firm of Jonas Sharp and Sons, of Bingley, in the County of York, Manufacturers, for an invention for—"Improved means or apparatus for purifying and increasing the illuminating power of gas." <i>Letters Patent sealed.</i>
GRANT. 13th June 1864.	1457. JOHN GRANT, of Wester Hill, Linton, in the County of Kent, Farmer, for an invention for—"Improvements in the construction of trucks and turntables for portable railways." <i>Letters Patent sealed.</i>
McELROY. 13th June 1864.	1458. JOHN McELROY, of Stretford, in the County of Lancaster, Book-keeper, for an invention for—"Improvements in electro-telegraphic apparatus and in instruments for preparing the transmission of electric telegrams." <i>Provisional protection only.</i>
GEDGE. 13th June 1864.	1459. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved fagots for lighting fires."— <i>A communication to him from abroad by Charles Victor Brevet, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
MARTIN. 13th June 1864.	1460. WILLIAM MARTIN, the younger, of Dundee, in the County of Forfar, Calenderer, for an invention for—"An improved method of working mangles employed in finishing cloth, and of beaming the rollers of same." <i>Letters Patent sealed.</i>
BROOMAN. 13th June 1864.	1461. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in engine pits for railways."— <i>A communication to him from abroad by Henry James Rouse, Civil Engineer, residing at Alexandria, Egypt.</i> <i>Letters Patent sealed.</i>
KENDRICK. 13th June 1864.	1462. RICHARD KENDRICK, of 15, Charterhouse Lane, in the County of Middlesex, Stationer, for an invention for—"Improvements in apparatus to facilitate embossing in colored relief on note paper, envelopes and such like articles." <i>Letters Patent sealed.</i>
MARSHALL. 13th June 1864.	1463. JAMES GARTH MARSHALL, of Leeds, in the County of York, Flax Spinner, for an invention for—"Improvements in steam generators." <i>Letters Patent sealed.</i>
ARMBRUSTER. 14th June 1864.	1464. CHARLES ARMBRUSTER, Gunmaker, of 8, Vernon Place, Bloomsbury Square, in the County of Middlesex, for an invention for—"Improving breech-loading and other small fire-arms." <i>Provisional protection NOT granted.</i>
POPE. 14th June 1864.	1465. EDMOND POPE, of Clonmel, Ireland, Gunmaker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
AGNEW. 14th June 1864.	1466. THOMAS AGNEW, junior, of Manchester, in the County of Lancaster, Publisher, for an invention for—"Improvements in apparatus to be employed in the manufacture of picture-frames and similar articles." <i>Provisional protection only.</i>
CALLEY. 14th June 1864.	1467. SAMUEL CALLEY, of Brixham, in the County of Devon, Manufacturer, for an invention for—"Improvements in the construction of bridges and viaducts." <i>Provisional protection only.</i>
BROWN. WAY. EVANS. 14th June 1864.	1468. JAMES BROWN, of No. 27, Aldgate, JOHN THOMAS WAY, of No. 106, Leadenhall Street, and THOMAS MULLETT EVANS, also of No. 106, Leadenhall Street, all in the City of London, for an invention for—"Improvements in sheathing ships." <i>Letters Patent sealed.</i>
BURN. 14th June 1864.	1469. GEORGE ADAM BURN, of Doughty Street, in the County of Middlesex, Architect, for an invention for—"Improvements in stoves and fireplaces." <i>Letters Patent sealed.</i>
FOTHERGILL. 14th June 1864.	1470. BENJAMIN FOTHERGILL, of 27, Cornhill, in the City of London, Consulting Engineer, for an invention for—"Improvements in the production of slivers of wool and other fibrous substances, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>

REID. BUCKLEY. 14th June 1864.	1471. JOHN REID, and THOMAS BUCKLEY, both of the City of Manchester, in the County of Lancashire, Commission Agents, for an invention for—"Improvements in the manufacture of felts and in the machinery or apparatus employed therein, some of which improvements are also applicable to other fabrics." <i>Provisional protection only.</i>
TREGAY. 14th June 1864.	1472. WILLIAM TREGAY, of Redruth, in the County of Cornwall, Mine Agent, for an invention for—"Improvements in boring rocks and in apparatus for the same." <i>Letters Patent sealed.</i>
O'NEILL. 15th June 1864.	1473. PATRICK BENIGNUS O'NEILL, of St. Mary's Villa, Fulham, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sluice and other cocks, valves and taps." <i>Letters Patent sealed.</i>
NEWTON. 15th June 1864.	1474. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of pulley blocks and sheaves."— <i>A communication to him from abroad by John James Doyle, of Brooklyn, King's County, State, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
MENNONS. 15th June 1864.	1475. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in field artillery."— <i>A communication from Nicolas de Telescheff, late Captain of Artillery, of the Russian Imperial Guard, a person resident at No. 16, Malaïa, Morskaïa, St. Petersburg, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
BRIERLEY. 15th June 1864.	1476. JOHN HENRY BRIERLEY, of Beech Hill Mills, Halifax, in the County of York, for an invention for—"The ornamentation of ladies' fancy leather belts." <i>Provisional protection not granted.</i>
DAWES. 15th June 1864.	1477. WILLIAM DAWES, of Number 2, Ridge Terrace, and Number 56, Wade Lane, both in Leeds, in the County of York, Engineer and Commission Agent, for an invention for—"Improvements in organs, harmoniums and other musical instruments." <i>Letters Patent sealed.</i>
TAYLOR. DOW. 15th June 1864.	1478. CHARLES TAYLOR, House Decorator, and JOHN DOW, Engineer, both of Stratford, in the County of Essex, for an invention for—"Improvements in apparatus for working the valves of steam and other engines." <i>Letters Patent sealed.</i>
BENNIE. 15th June 1864.	1479. JAMES BENNIE, junior, of Glasgow, in the County of Lanark, North Britain, Ironfounder and Engineer, for an invention for—"Improvements in machinery for shearing or cutting, punching or rivetting." <i>Provisional protection only.</i>
DE MASSAS. 15th June 1864.	1480. FRANÇOIS ANTOINE EDMOND GUIRONNET DE MASSAS, of Hoxton, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for treating cotton seeds." <i>Letters Patent sealed.</i>
HOOKE. 15th June 1864.	1481. GEORGE SPENCER HOOKE, of East Grinstead, in the County of Sussex, Miller, for an invention for—"Improvements in apparatus for fitting and working spindles in millstones." <i>Complete specification; Letters Patent sealed.</i>
BROOMAN. 15th June 1864.	1482. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for tuning pianofortes."— <i>A communication to him from abroad by François Delsarte, of Paris, France.</i> <i>Letters Patent sealed.</i>
ELLISSEN. 15th June 1864.	1483. ADOLF ELLISSEN, of the City of London, Merchant, for an invention for—"Improvements in the method and means of cultivating land in order to increase the productive power thereof." <i>Provisional protection only.</i>
POLS. 15th June 1864.	1484. JOHN ANTHONY POLS, of Saint Martin Street, Leicester Square, in the County of Middlesex, Oil Refiner, for an invention for—"Improvements in obtaining purified or refined oils, and in obtaining oil cakes and foots useful for soap making." <i>Provisional protection only.</i>
FLETCHER. BOWER. 15th June 1864.	1485. JOSEPH FLETCHER, of Droylesden, near Manchester, in the County of Lancaster, Engineer, and HENRY BOWER, of Halifax, in the County of York, for an invention for—"Improvements in apparatus for feeding boilers or for forcing water or other fluids." <i>Letters Patent sealed.</i>

WHITESIDE. 15th June 1864.	1486. ROBERT WHITESIDE, of North Egremont, in the County of Chester, for an invention for—"Improvements in preserving iron ships and ships' sheathing from corrosion and fouling, and in apparatus to be employed therefor." <i>Letters Patent sealed.</i>
GONDELFINGER. BICHET. 15th June 1864.	1487. GEORGE GONDELFINGER, and JEAN LOUIS BICHET, Merchants, residing at Paris, 39, Faubourg St. Martin (France), for an invention for—"A mechanism of remontoir in pendant, applicable to all watches, with an anchor and cylinder." <i>Letters Patent sealed.</i>
LANCELOTT. 15th June 1864.	1488. JAMES LANCELOTT, of Regent Parade, Birmingham, in the County of Warwick, Jeweler, for an invention for—"Improvements in the manufacture of chain bands and the machinery applicable thereto." <i>Letters Patent sealed.</i>
GEDGE. 15th June 1864.	1489. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine for breaking or crushing the hoofs of horses, cattle and sheep, and other horny substances, and converting them into manure."— <i>A communication to him from abroad by Eugène Anduze, of No. 15, Passage des Petites Ecuries, Paris, France, Merchant.</i> <i>Letters Patent sealed.</i>
EDWARDS. 16th June 1864.	1490. JOHN EDWARDS, of 29, Basinghall Street, in the City of London, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection only.</i>
TRUSS. 16th June 1864.	1491. SIDNEY TRUSS, of Hough Green, City of Chester, in the County of Cheshire, Civil Engineer, for an invention for—"Improvements in the construction of rails for the permanent way of railways and tramways." <i>Provisional protection only.</i>
YOUNG. 16th June 1864.	1492. SAMUEL YOUNG, of Manchester, in the County of Lancaster, Circular Sawyer, for an invention for—"Certain improvements in mechanism or apparatus for obtaining motive-power." <i>Provisional protection only.</i>
THOMSON. 16th June 1864.	1493. ROBERT WILLIAM THOMSON, of Edinburgh, in the County of Mid-Lothian, North Britain, Civil Engineer, for an invention for—"Improvements in dividing hard substances such as rock, stone or coal." <i>Letters Patent sealed.</i>
MUIR. McILWHAM. 16th June 1864.	1494. MATTHEW ANDREW MUIR, and JAMES McILWHAM, both of Glasgow, in the County of Lanark, North Britain, Machinists, for an invention for—"Improvements in and relating to railway chairs and sleepers." <i>Letters Patent sealed.</i>
DAY. 16th June 1864.	1495. JOHN DAY, of Birmingham, in the County of Warwick, Brass Founder, for an invention for—"An improvement or improvements in sliding gasaliers." <i>Provisional protection only.</i>
HUGHES. HOTTEN. 16th June 1864.	1496. THOMAS JAMES HUGHES, of Albany Street, in the County of Middlesex, Builder, and WILLIAM HENRY HOTTEN, of Hope Street, Hackney, in the same County, Manufacturer, for an invention for—"An improved composition to be used for coating surfaces and insulating metal from metal." <i>Provisional protection only.</i>
GEDGE. 16th June 1864.	1497. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in steam-engines."— <i>A communication to him from abroad by Arthur de Montméja, of 39, Faubourg Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
OZOUF. 16th June 1864.	1498. GEORGE HYACINTHE OZOUF, of 2, Rue Sainte-Appoline, Paris, France, for an invention for—"Improvements in the manufacture and utilization of carbonic acid and in apparatus connected therewith." <i>Letters Patent sealed.</i>
NEWTON. BRADDOCK. 16th June 1864.	1499. GEORGE NEWTON, and JOSEPH BRADDOCK, of Oldham, in the County of Lancaster, Gas Meter Manufacturers, for an invention for—"An improved compensating gas meter." <i>Letters Patent sealed.</i>
JONES. 16th June 1864.	1500. JAMES GRAFTON JONES, of 53, Cumming St., Pentonville, Engineer, for an invention for—"Improvements in machinery used in getting coals and other minerals in mines." <i>Letters Patent sealed.</i>

MACARTHY. 16th June 1864.	1501. JOHN MACARTHY, of Alderney Road, Mile End, in the County of Middlesex, for an invention for—"Improvements in apparatus or means employed for freezing or cooling fluids or other matters."— <i>A communication to him from abroad by Edward Preble Torrey, a person residing at New York, in the United States of America.</i> <i>Provisional protection only.</i>
CLARK. 16th June 1864.	1502. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for lessening the effects of collisions and other accidents on railways."— <i>A communication to him from abroad by Alessandro Piola, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
JAY. 16th June 1864.	1503. WILLIAM CHICKALL JAY, of Regent Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture and ornamentation of ladies' wearing-apparel." <i>Letters Patent sealed.</i>
BODMER. BODMER. 16th June 1864.	1504. RUDOLPH BODMER, of Newport, in the County of Monmouth, and LOUIS RUDOLPH BODMER, of 2, Thavies Inn, in the City of London, for an invention for—"Improvements in machinery and apparatus for manufacturing artificial stone, parts of which machinery and apparatus are also applicable for preparing and for moulding and compressing clay and other substances." <i>Letters Patent sealed.</i>
MORRIS. PRICE. GEORGE. 16th June 1864.	1505. GEORGE BRADFORD MORRIS, of Stanley End, WILLIAM BRIGHT PRICE, of Dudbridge, and JOHN LANE GEORGE, of Cainsercross, all near Stroud, in the County of Gloucester, for an invention for—"An improved construction of bolter for dressing flour." <i>Letters Patent sealed.</i>
SPENCE. POCHIN. 17th June 1864.	1506. PETER SPENCE, of Smedley New Hall, near Manchester, in the County of Lancaster, Manufacturing Chemist, and HENRY DAVIS POUCHIN, of Broughton Old Hall, near Manchester, aforesaid, Manufacturing Chemist, for an invention for—"An improvement in smelting copper ore." <i>Letters Patent sealed.</i>
CLARK. 17th June 1864.	1507. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for washing or dyeing skeins of thread, silk, cotton and other fibrous materials."— <i>A communication to him from abroad by Claude Viret, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
BOWRA. 17th June 1864.	1508. MATTHIAS EDWARD BOWRA, of Upper Norwood, in the County of Surrey, for an invention for—"Improvements in tubes and caps made of india-rubber or other known elastic gum, and in their application to various useful purposes." <i>Letters Patent sealed.</i>
JOHNSON. 17th June 1864.	1509. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"The manufacture of lyes or liquors applicable to the cleansing and bleaching of wool and other fibrous substances as well as of textile fabrics."— <i>A communication to him from abroad by Madame Rosine Saiglan Bagnères, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
COUGHIN. 17th June 1864.	1510. THOMAS TOWNSEND COUGHIN, of Crucifix Lane, Bermondsey, in the County of Surrey, for an invention for—"Improvements in apparatus for compressing air or gases to be applied to various useful purposes." <i>Provisional protection only.</i>
HODGES. 17th June 1864.	1511. JAMES HODGES, of Penny Hill, Bagshot, in the County of Surrey, for an invention for—"Improvements in machinery employed in digging, raising and treating peat and bog earth or soil." <i>Letters Patent sealed.</i>
BENNETT. 17th June 1864.	1512. JOSEPH JEFFREY BENNETT, of Hyde Terrace, New Cross, in the County of Kent, Engineer, for an invention for—"Improvements in the construction of pile drivers." <i>Letters Patent sealed.</i>
TOOTH. 17th June 1864.	1513. WILLIAM HENRY TOOTH, of Rhodeswell Road, Stepney, in the County of Middlesex, Engineer, for an invention for—"Improvements in furnaces or apparatus for generating carburetted hydrogen, carbonic acid, carbonic oxide, and cyanogen gases." <i>Letters Patent sealed.</i>
TOOTH. 17th June 1864.	1514. WILLIAM HENRY TOOTH, of Rhodeswell Road, Stepney, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture and refining of iron and in the manufacture of steel." <i>Letters Patent sealed.</i>

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| <p>AGNEW.
18th June 1864.</p> <p>ROWLAND.
18th June 1864.</p> <p>BOXER.
18th June 1864.</p> <p>WHITELEY.
HARLING.
18th June 1864.</p> <p>JOHNSON.
18th June 1864.</p> <p>JOHNSON.
18th June 1864.</p> <p>COUGHIN.
18th June 1864.</p> <p>HEWITT.
20th June 1864.</p> <p>JONES.
20th June 1864.</p> <p>BRENTNALL.
EDGE.
20th June 1864.</p> <p>SMITH.
SIEBERG.
20th June 1864.</p> <p>JOBSON.
20th June 1864.</p> <p>SMITH.
20th June 1864.</p> <p>BEARD.
20th June 1864.</p> <p>BEATTIE.
20th June 1864.</p> <p>CROZIER.
20th June 1864.</p> <p>WORSDELL.
20th June 1864.</p> | <p>1515. THOMAS AGNEW, junior, of Manchester, in the County of Lancaster, Publisher, for an invention for—"Certain improvements in apparatus for coating or covering moulded or other surfaces with certain composition or material."
<i>Letters Patent sealed.</i></p> <p>1516. WILLIAM ROWLAND, of the firm of W. Rowland & Co., of the City of Manchester, in the County of Lancaster, Manufacturers, for an invention for—"A combined crinoline and 'quilted' skirt."
<i>Provisional protection only.</i></p> <p>1517. EDWARD MOUNIER BOXER, of the Royal Arsenal, Woolwich, in the County of Kent, Lieutenant Colonel Royal Artillery, for an invention for—"Improvements in projectiles."
<i>Letters Patent sealed.</i></p> <p>1518. WILLIAM WHITELEY, of Lockwood, near Huddersfield, in the County of York, Machine Maker, and GEORGE HARLING, of the same place, Foreman, for an invention for—"Improvements in self-acting mules, horses and billys for spinning woollen and other fibrous substances."
<i>Letters Patent sealed.</i></p> <p>1519. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in grinding and polishing glass."—<i>A communication to him from abroad by Eloi Eugène Narcisse Derogy, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>1520. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of looking-glasses, mirrors and other reflecting surfaces."—<i>A communication to him from abroad by Edouard Dodé, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>1521. THOMAS TOWNSEND COUGHIN, of Crucifix Lane, Bermondsey, in the County of Surrey, for an invention for—"Improvements in projectiles applicable to ordnance and fire-arms."
<i>Provisional protection only.</i></p> <p>1522. SAMUEL GEORGE HEWITT, of West Cowes, in the Isle of Wight, Sail Maker, for an invention for—"Improvements in the manufacture of sails for yachts and other vessels."
<i>Letters Patent sealed.</i></p> <p>1523. RICHARD JONES, of No. 29, Botolph Lane, Eastcheap, Provision Merchant, for an invention for—"An improved method of preserving animal and vegetable substances."
<i>Letters Patent sealed.</i></p> <p>1524. JOHN CRESSWELL BRENTNALL, of Manchester, and ROBERT EDGE, of Halliwell, near Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery for preparing spinning and doubling cotton and other fibrous substances."
<i>Letters Patent sealed.</i></p> <p>1525. RICHARD SMITH, and CHRISTIAN SIEBERG, both of Glasgow, in the County of Lanark, North Britain, Chemists, for an invention for—"Improvements in obtaining coloring matters."
<i>Letters Patent sealed.</i></p> <p>1526. JOHN JOBSON, of Derby, in the County of Derby, Ironfounder, for an invention for—"Improvements in stoves and stove grates."
<i>Letters Patent sealed.</i></p> <p>1527. ALFRED SMITH, of Hackney Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for producing frills and gathered work."
<i>Letters Patent sealed.</i></p> <p>1528. GEORGE BEARD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the construction of punches used for punching the eyes of needles."
<i>Letters Patent sealed.</i></p> <p>1529. JOSEPH HAMILTON BEATTIE, of No. 11, Dowgate Hill, London, Civil Engineer, for an invention for—"Improvements in the means of preventing the formation of and in the removal of incrustations or deposits from steam-engine boilers."—<i>A communication to him from abroad by Joseph Marks, of the City of Montreal, Canada.</i>
<i>Letters Patent sealed.</i></p> <p>1530. WILLIAM CROZIER, of the City of Durham, Civil Engineer, for an invention for—"Improvements in constructing and applying gates to docks, locks and other like structures."
<i>Provisional protection only.</i></p> <p>1531. THOMAS WORSDELL, of Birmingham, in the County of Warwick, Engineer, for an invention for—"An improved pulley or sheave block"
<i>Letters Patent sealed.</i></p> |
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MAYOR. 20th June 1864.	1532. THOMAS MAYOR, of Pawtucket, in the County of Providence, and State of Rhode Island, United States of America, now temporarily residing at Oldham, in the County of Lancaster, for an invention for—"Improvements in apparatus applicable to roving frames." <i>Letters Patent sealed.</i>
ABEGG. 21st June 1864.	1533. WILHELM AUGUST ABEGG, of the Westminster Palace Hotel, Victoria Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in apparatus for distilling spirituous liquors."— <i>A communication to him from abroad by Carl Falkman, residing at Saint Petersburg, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
HOLMES. 21st June 1864.	1534. JOHN HOLMES, of Wylde Green, Sutton Coldfield, in the County of Warwick, Gentleman, for an invention for—"Improvements in beer engines, which improvements may also be applied to pumps for baths, and for other purposes where it is required to raise two or more liquids by the same pump." <i>Letters Patent sealed.</i>
THOMPSON. 21st June 1864.	1535. JOHN THOMPSON, of the City of Manchester, Machinist, for an invention for—"Improvements in machinery for cutting, shaping and grinding iron and other metals." <i>Letters Patent sealed.</i>
BONNEVILLE. 21st June 1864.	1536. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for grinding or pulverising grain."— <i>A communication from Charles Krempff, Louis Kuhn and Georges Nicolas Schoumert, persons residing at Rue de Trevis, Paris, in the Empire of France, aforesaid.</i> <i>Complete specification; Letters Patent sealed.</i>
RADCLIFFE. 21st June 1864.	1537. MAJOR RADCLIFFE, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in embossing and finishing certain descriptions of woven fabrics termed satteens, jeans, jeannettes, twills, cantoons, couilles, and other fabrics of a similar description." <i>Provisional protection only.</i>
PUGHSLEY. 21st June 1864.	1538. WILLIAM JOHN PUGHSLEY, of the Parish of Christchurch, County of Monmouth, Manufacturing Chemist, for an invention for—"Improvements in obtaining sulphuric acid from the refuse 'pickle' used in tin-plate works, and also from sulphate of iron or 'green copperas.'" <i>Letters Patent sealed.</i>
ROWLAND. REID. 21st June 1864.	1539. ELLIS ROWLAND, of Belfast, in the County of Antrim, Ireland, Engineer, and JOHN REID, of the same place, Engineer, for an invention for—"Certain improvements in machinery or apparatus for 'breaking' and 'scutching' flax." <i>Provisional protection only.</i>
MARTIUS. 21st June 1864.	1540. CHARLES ALEXANDER MARTIUS, of Warrington, in the County of Lancaster, for an invention for—"Improvements in dyeing and printing." <i>Provisional protection only.</i>
PHILLIPS. 21st June 1864.	1541. HENRY PHILLIPS, of Oldham, in the County of Lancaster, for an invention for—"Improvements in the gearing of railway hoists worked by turbines, and the preservation of the water which has passed through the turbine for supplying the tanks of engines and for station purposes." <i>Letters Patent sealed.</i>
CARRINGTON. TURNER. 21st June 1864.	1542. WILLIAM CARRINGTON, of Stockport, in the County of Chester, and THOMAS TURNER, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved churn or agitator." <i>Letters Patent sealed.</i>
DIXON. 21st June 1864.	1543. THOMAS OGDEN DIXON, of Steeton, in Craven, via Leeds, in the County of York, Bobbin Manufacturer, for an invention for—"Improvements in stoppers for bottles, jars and similar articles, and in means or apparatus for withdrawing such stoppers from bottles, jars and similar articles." <i>Letters Patent sealed.</i>
GEDGE. 21st June 1864.	1544. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Jean Claude Meunier, of Nantua, France, Contractor.</i> <i>Provisional protection only.</i>
FORBES. 21st June 1864.	1545. JAMES FORBES, of Old Ford, Bow, in the County of Middlesex, Manufacturing Chemist, for an invention for—"Improvements in the means of and apparatus for manufacturing sulphate of ammonia and sulphuric acid." <i>Letters Patent sealed.</i>

- SMITH.
21st June 1864.
1546. ALFRED SMITH, of Hackney Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in breaks or apparatus for checking, stopping and regulating the speed of sewing-machines and other revolving machinery."
Letters Patent sealed.
- DENNE.
21st June 1864.
1547. THOMAS JAMES DENNE, of Mile End, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the manufacture of card and mill-board boxes."
Letters Patent sealed.
- JOHNSON.
21st June 1864.
1548. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in raising water and in the machinery or apparatus employed therein."—*A communication to him from abroad by Benjamin Barnes, of Melbourne, in the Colony of Australia.* *Letters Patent sealed.*
- BUCKLEY.
CROSSLEY.
21st June 1864.
1549. ISAAC BUCKLEY, and EDWIN CROSSLEY, both of Dukinfield, in the County of Chester, Spindle and Fly Makers, for an invention for—"Improvements in and applicable to Ryder's forging machine."
Letters Patent sealed.
- BOTTOMLEY.
21st June 1864.
1550. JOHN BOTTOMLEY, of Huddersfield, in the County of York, Carriage Builder, for an invention for—"Improvements in carriages."
Letters Patent sealed.
- INGLEFIELD.
21st June 1864.
1551. EDWARD AUGUSTUS INGLEFIELD, of No. 11, St. Alban's Road, South Kensington, in the County of Middlesex, Captain in the Royal Navy, for an invention for—"Improvements in machinery for steering ships."
Letters Patent sealed.
- WHITEHOUSE.
22nd June 1864.
1552. THOMAS WHITEHOUSE, of Charing Cross, in the County of Middlesex, Gentleman, for an invention for—"Improvements in furnaces for the better combustion of smoke."
Provisional protection only.
- SPENCER.
22nd June 1864.
1553. GEORGE SPENCER, of No. 6, Cannon Street West, London, Civil Engineer, for an invention for—"Improvements in the construction and arrangement of the exhaust or blast pipes and chimneys of locomotive and other steam-engines."—*A communication to him from abroad by Joseph Marks, of Montreal, Canada.*
Provisional protection only.
- ALDRED.
BAINBRIDGE.
22nd June 1864.
1554. JOHN ALDRED, of the Township of Salford, in the County of Lancaster, Gunmaker, and PETER BAINBRIDGE, also of the Township of Salford, aforesaid, for an invention for—"Improvements in breech-loading guns."
Provisional protection only.
- SMITH.
22nd June 1864.
1555. WILLIAM SMITH, Engineer, of 57, Wells Street, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in printing machines and in apparatus connected therewith, parts of which improvements are applicable to machines for other purposes."
Provisional protection only.
- HEPTONSTALL.
22nd June 1864.
1556. CHARLES HEPTONSTALL, of Kirkburton, near Huddersfield, in the County of York, Stay Manufacturer, for an invention for—"Improvements in means or apparatus for manufacturing and finishing stays."
Letters Patent sealed.
- FREEMAN.
22nd June 1864.
1557. ARTHUR FREEMAN, of Manchester, in the County of Lancaster, Tin Plate Worker, for an invention for—"Certain improvements in apparatus for lubricating revolving frictional surfaces."
Provisional protection only.
- PUGH.
22nd June 1864.
1558. CHARLES HENRY PUGH, of Uttoxeter, in the County of Stafford, Ironmonger's Assistant, for an invention for—"Improvements in apparatus used in the manufacture of cheese."
Letters Patent sealed.
- SAVILLE.
22nd June 1864.
1559. THOMAS PROSPER SAVILLE, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"An improvement or improvements in breech-loading fire-arms."
Letters Patent sealed.
- WHITLEY.
22nd June 1864.
1560. JOSEPH WHITLEY, of Leeds, in the County of York, Brass Founder, for an invention for—"Improvements in the manufacture of railway and other wheels, applicable also to the manufacture of other cylindrical bodies, plates, hoops, bars and other articles."
Provisional protection only.
- JONES.
22nd June 1864.
1561. JOHN JONES, of the New North Road, in the County of Middlesex, Gas-Meter Maker, for an invention for—"Improvements in dry gas-meters, parts of which are applicable to apparatus for regulating the flow of air."
Letters Patent sealed.

BOUSFIELD.
22nd June 1864.

1562. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in roving and spinning frames."—*A communication to him from abroad by Thomas Mayor, a person resident at Pawtucket, Providence, Rhode Island, United States of America.*

Provisional protection only.

BOUSFIELD.
22nd June 1864.

1563. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for roving and spinning."—*A communication to him from abroad by Erastus Steere, a person resident at Providence, Rhode Island, in the United States of America.*

Provisional protection only.

HASELTINE.
22nd June 1864.

1564. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for smelting and reducing ores and metals."—*A communication to him from abroad by Loomis George Marshall, of Philadelphia, State of Pennsylvania, United States of America.*

Complete specification; Letters Patent sealed.

ADAMS.
22nd June 1864.

1565. JOHN DAVID ADAMS, of the Haymarket, in the County of Middlesex, Ironmonger, for an invention for—"Improvements in electrical communicators."—*A communication to him from abroad by Louis François Clément Bréquet, of Paris, in the Empire of France.*

Letters Patent sealed.

CULLIN.
22nd June 1864.

1566. THOMAS CULLIN, of Golden Bridge, in the County of Dublin, Paper Maker, for an invention for—"Improvements in machinery or apparatus to be employed in the manufacture of paper."—*A communication to him from abroad by John Cullin, of Deigham, in the Kingdom of Belgium.*

Provisional protection only.

CARTER.
22nd June 1864.

1567. GEORGE CARTER, of Mottingham Lodge, near Eltham, in the County of Kent, Gentleman, for an invention for—"Improvements in shears, scissors and other cutting instruments of a similar character thereto."

Letters Patent sealed.

SHAW.
22nd June 1864.

1568. FREDERICK SHAW, of Burton Weir Works, Sheffield, for an invention for—"Improvements in the propulsion of steam ships."

Provisional protection only.

HOLT.
23rd June 1864.

1569. JAMES HOLT, of Oldham, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for opening and cleaning cotton and other fibrous substances."

Letters Patent sealed.

HETT.
BASSET.
23rd June 1864.

1570. ALEXANDER HETT, of the City of London, Doctor of Medicine, and FREDERICK WILLIAM BASSET, of Camberwell, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in preserving animal and other substances."

Provisional protection only.

TIRAT.
23rd June 1864.

1571. JOSEPH TIRAT, Doctor of Medicine, of the Faculty of Paris, residing at No. 12, Russell Place, Fitzroy Square, in the County of Middlesex, for an invention for—"A new voltaic apparatus for the relief of hernia in all its forms and stages."

Provisional protection only.

SMITH.
23rd June 1864.

1572. JAMES SMITH, of Bristol, Hair seating Manufacturer and Merchant, for an invention for—"Improvements in the manufacture of ventilating hats or coverings for the head."

Letters Patent sealed.

CLARK.
23rd June 1864.

1573. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in railway carriage brakes and in the mode of applying the power thereto."—*A communication to him from abroad by William Loughridge, of Weverton, in the County of Frederick, State of Maryland, United States of America.*

Letters Patent sealed.

FRANCIS.
23rd June 1864.

1574. EDWARD FRANCIS, of Wrexham, in the County of Denbigh, Grocer, for an invention for—"Improvements in packages or receptacles for tobacco and other articles liable to heat."

Provisional protection only.

WILLIAMS.
FRASER.
23rd June 1864.

1575. WILLIAM GEORGE WILLIAMS, of 8, Ockenden Road, Islington, in the County of Middlesex, and JOHN FRASER, of 73, Mildmay Road, Islington, aforesaid, for an invention for—"An improved spring hook or fastening for suspending or securing curtains, garments, fabrics, jewellery, and other articles of furniture, upholstery, ornament or apparel."

Provisional protection only.

- COCHRAN.
23rd June 1864. 1576. ROBERT COCHRAN, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in the system or mode of treating clay for potter's use, in forming articles in pottery, and in the machinery, apparatus or means employed therefor." *Letters Patent sealed.*
- TURNER.
CLARK.
23rd June 1864. 1577. ARCHIBALD TURNER, of Leicester, Elastic Web Manufacturer, and JAMES CLARK, of Manchester, India-Rubber Manufacturer, for an invention for—"Improved machinery or apparatus for vulcanizing india-rubber, which machinery or apparatus is peculiarly adapted for vulcanizing by the cold process or without the application of heat." *Provisional protection only.*
- HENRY.
23rd June 1864. 1578. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in air engines."—*A communication to him from abroad by Louis Dominique Girard, of 33, Boulevard Saint Martin, Paris, France.* *Provisional protection only.*
- BAILLY.
23rd June 1864. 1579. JEAN BAILLY, of No. 9, Rue Donnisson, in the City of Bordeaux, in the Empire of France, Shipbuilder and Engineer, for an invention for—"Improvements in the construction of ships and floating bodies, for the purpose of providing means of bathing therein." *Letters Patent sealed; no specification filed.*
- HINKS.
HINKS.
23rd June 1864. 1580. JAMES HINKS, and JOSEPH HINKS, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in lamps for burning paraffin oil and other volatile liquid hydro-carbons." *Letters Patent sealed.*
- KNOWLES.
BARRACLOUGH.
23rd June 1864. 1581. ARTHUR KNOWLES, of the Birstal Dye Works, Birstal, near Leeds, in the County of York, and JOSHUA BARRACLOUGH, of the same place, Manager, for an invention for—"Improvements in apparatus for scribbling, carding and combing wool and all other fibres, also fibrous or textile materials." *Letters Patent sealed.*
- ADAMS.
23rd June 1864. 1582. WALTER ADAMS, of No. 41, Rochester Road, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in apparatus for indicating to the drivers of cabs and other carriages the course a passenger desires to be driven." *Provisional protection only.*
- SCARRATT.
23rd June 1864. 1583. WILLIAM SCARRATT, of Longton, in the Parish of Stoke upon Trent, in the County of Stafford, Painter, for an invention for—"Improvements in ornamenting wood and other surfaces." *Provisional protection only.*
- CROWE.
23rd June 1864. 1584. DANIEL CROWE, of Gaywood Lynn, in the County of Norfolk, Engineer and Implement Manufacturer, for an invention for—"Improvements in applying power to and in actuating combined portable thrashing and dressing machines." *Letters Patent sealed.*
- TURNER.
TURNER.
23rd June 1864. 1585. EDWARD RUSH TURNER, and FREDERICK TURNER, of Ipswich, in the County of Suffolk, for an invention for—"Improvements in traction, locomotive, agricultural and other portable engines." *Letters Patent sealed and specification filed by order.*
- GEDGE.
24th June 1864. 1586. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved bedstead."—*A communication to him from abroad by Jean Louis Margoton, of No. 15, Passage des Petites Ecuries, Paris, France, Physician.* *Provisional protection only.*
- SIMS.
PENDLEY.
24th June 1864. 1587. GEORGE TIMOTHY SIMS, of 213, High Street, Shadwell, Ship Chandler, and JOHN PENDLEY, of 20, Dean Street, Shadwell, Engineer, both in the County of Middlesex, for an invention for—"A new composition for preventing and removing incrustation in steam and other boilers." *Provisional protection only.*
- GUY.
EDWARDS.
MACARTHUR.
24th June 1864. 1588. WILLIAM AUGUSTUS GUY, of 26, Gordon Street, Gordon Square, London, EDMUND EDWARDS of 1, York Buildings, Adelphi, London, and RICHARD WAUGH MACARTHUR, of 56, York Terrace, Regent's Park, London, for an invention for—"Improvements in machinery or apparatus for the manufacture of bread." *Letters Patent sealed.*
- MACARTHUR.
GUY.
EDWARDS.
24th June 1864. 1589. RICHARD WAUGH MACARTHUR, of 56, York Terrace, Regent's Park, London, WILLIAM AUGUSTUS GUY, of 26, Gordon Street, Gordon Square, London, and EDMUND EDWARDS, of 1, York Buildings, Adelphi, London, for an invention for—"Improvements in the manufacture of dough and bread." *Letters Patent sealed.*

BARWELL. 24th June 1864.	1590. WILLIAM HARRISON BARWELL, of Hardingstone, in the County of Northampton, Iron Founder, for an invention for—"Improvements in frames for supporting threads, wires and rods." <i>Provisional protection only.</i>
NAPIER. 24th June 1864.	1591. WILLIAM DONALD NAPIER, of 22, George St., Hanover Square, in the County of Middlesex, for an invention for—"Improvements in apparatus for opening oysters and for crushing the claws of lobsters and other shell fish." <i>Letters Patent sealed.</i>
BROWN. 24th June 1864.	1592. WILLIAM BROWN, of Leicester, for an invention for—"Improvements in machinery for producing knitted or looped fabrics." <i>Letters Patent sealed.</i>
NEWTON. 24th June 1864.	1593. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in hydrostatic scales."— <i>A communication to him from abroad by Amory Amsden, of Springfield, in the State of Illinois, United States of America.</i> <i>Provisional protection only.</i>
NICOLL. 24th June 1864.	1594. BENJAMIN NICOLL, of Regent Street, in the County of Middlesex, Shirt Manufacturer, for an invention for—"Improvements in the manufacture and ornamentation of garments and other articles composed of textile or other fabrics or materials, also in the machinery or apparatus employed for these purposes." <i>Letters Patent sealed.</i>
HAY. 24th June 1864.	1595. THE HONORABLE JOHN HAY, commonly called Lord John Hay, of St. James' Place, Middlesex, a Post Captain in Her Majesty's Navy, for an invention for—"Apparatus or mechanism for varying at will the forms and relative positions of letters or other marks produced by stamping." <i>Letters Patent sealed.</i>
CHAMBERLAIN. CRAVEN. WEDEKIND. 24th June 1864.	1596. HUMPHREY CHAMBERLAIN, and JOHN CRAVEN, both of Wakefield, in the County of York, Engineers, and HERMANN WEDEKIND, of Clapham Road, in the County of Surrey, Engineer, for an invention for—"Improvements in kilns or ovens for burning bricks, tiles, pottery ware, limestone, cement and other substances."— <i>Partly a communication to them from abroad by Friedrich Hoffmann, of Berlin, in the Kingdom of Prussia, and partly their own invention.</i> <i>Letters Patent sealed.</i>
HENRY. 25th June 1864.	1597. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in governors."— <i>A communication to him from abroad by Léon Foucault, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
NEWTON. 25th June 1864.	1598. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery or apparatus to facilitate the loading of ships or vessels with coal, minerals or other substances in bulk."— <i>A communication to him from abroad by Edouard Dineq, of Jemmapes, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
STEVENS. 25th June 1864.	1599. BENJAMIN FRANKLIN STEVENS, of Trafalgar Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the application of petroleum, coal oil and other similar substances to the purposes of heating, lighting and obtaining motive-power, and in the apparatus employed therein."— <i>A communication to him from abroad by Simon Stevens, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
JENKINS. JENKINS. JENKINS. JENKINS. 25th June 1864.	1600. HENRY JENKINS, JAMES JENKINS, FREDRICK JENKINS, and SAMUEL JENKINS, trading under the style or firm of Henry Jenkins & Sons, General Stampers and Piercers, of Birmingham, in the County of Warwick, for an invention for—"Certain improvements in metallic clips for permanently or temporarily binding or holding together manuscripts, papers, pamphlets or for other like purposes." <i>Provisional protection only.</i>
BERTHON. 25th June 1864.	1601. EDWARD LYON BERTHON, of the Vicarage, Romsey, in the County of Kent, Clerk, for an invention for—"Improvements in stands for telescopes and other such like instruments." <i>Provisional protection only.</i>
DENIS. 25th June 1864.	1602. CHARLES DENIS, of the Town of Arras, in the Empire of France, Gas Work Manager, for an invention for—"Improvements in gas heating or cooking stoves." <i>Letters Patent sealed.</i>

- GEDGE.**
25th June 1864.
1803. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine for manufacturing paper bags."—*A communication to him from abroad by Theodore Marie Rabatté, of 39, Faubourg Saint Martin, Paris, France.*
Complete specification: Letters Patent sealed.
- ASKEW.**
27th June 1864.
1804. JOHN ASKEW, of Charles Street, Hampstead Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of go-carrriages for teaching children to walk and giving assistance to invalids, and for other domestic purposes."
Letters Patent sealed; no specification filed.
- JOHNSON.**
BUCKLEY.
27th June 1864.
1805. JOE MARSHALL JOHNSON, of Mirfield, in the County of York, Cotton Spinner, and JOHN BUCKLEY, of the same place, Manager, for an invention for—"Improvements in machinery for warping, beaming and balling cotton and other yarns or threads."
Letters Patent sealed.
- PERKS.**
27th June 1864.
1806. WILLIAM PERKS, the younger, of Birmingham, in the County of Warwick, Glass and Lead Merchant, for an invention for—"Improvements in beer machines or beer-engines."
Letters Patent sealed.
- STEAKE.**
STEAKE.
27th June 1864.
1807. HENRY CHARLES STEAKE, and FRANK ALEXANDER STEAKE, both of Brixton, in the County of Surrey, Candle Manufacturers, for an invention for—"Improvements in apparatus for preventing candles guttering or dropping, and which permit the use of an ordinary candle as a night light."
Letters Patent sealed.
- SAVAGE.**
27th June 1864.
1808. WILLIAM PEACOCK SAVAGE, of Hilgay Lodge, Downham, in the County of Norfolk, for an invention for—"Improvements in drains and drain tiles."
Provisional protection only.
- THOMAS.**
27th June 1864.
1809. WILLIAM FREDERICK THOMAS, of Newgate Street, in the City of London, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.
- STEEVENS.**
27th June 1864.
1810. WILLIAM STEEVENS, Engineer, of Godolphin Road, Hammersmith, in the County of Middlesex, for an invention for—"Improvements in carts, conveyances and waggons for commercial, agricultural and military purposes."
Provisional protection only.
- CLARK.**
27th June 1864.
1811. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in moderator lamps."—*A communication to him from abroad by Louis Champion, Lamp Manufacturer, of 29, Boulevard St. Martin, Paris.*
Provisional protection only.
- CLARK.**
27th June 1864.
1812. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in felting-machines."—*A communication to him from abroad by Moses Allen Johnson and John Henry Bloodygood, Manufacturers, both of Lowell, in the State of Massachusetts, United States of America.*
Letters Patent sealed.
- NEWTON.**
27th June 1864.
1813. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for blowing bubbles from soapsuds or other liquids, to amuse children and for other purposes, such as perfuming the atmosphere of apartments."—*A communication to him from abroad by Joseph Antoine Emile Chazelles, of Brussels, in the Kingdom of Belgium.*
Provisional protection only.
- TINKER.**
28th June 1864.
1814. CHARLES JAMES TINKER, of Pontefract, in the County of York, Liquorice Refiner, for an invention for—"Improvements in the manufacture of lozenges and other articles from plastic substances."
Letters Patent sealed.
- BODMER.**
28th June 1864.
1815. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Patent Agent, for an invention for—"A new and improved system of washing, cleansing and drying household linen and other articles, and apparatus connected therewith."—*A communication to him from abroad by Charles Brown, of Winterthur, in the Republic of Switzerland, Engineer.*
Provisional protection only.
- THOMSON.**
MURRAY.
28th June 1864.
1816. THOMAS THOMSON, of Newcastle on Tyne, Plumber, and JOHN MURRAY, of the same place, Brass Founder, for an invention for—"Improvements in means or apparatus for supplying water to water-closets and other places in regulated quantities, which improvements are also applicable to measuring the flow or passage of fluids, and part of which improvements is also applicable in the construction of cocks or taps."
Letters Patent sealed.

GEDGE. 28th June 1864.	1617. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by François Nicaud, of 39, Faubourg Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
BOUCK. HILL. 28th June 1864.	1618. JOHN AUGUSTUS BOUCK, of Manchester, in the County of Lancaster, Manufacturing Chemist, and THOMAS HILL, of the same place, Manager, for an invention for—"An improved varnish for paper, wood, metals or other substances, which invention is also applicable to paper and calico printing." <i>Provisional protection only.</i>
FARMER. 28th June 1864.	1619. GEORGE FARMER, of Noble Street, Saint Martin's le Grand, in the City of London, for an invention for—"Improvements in the manufacture of buttons." <i>Provisional protection only.</i>
CLARK. 28th June 1864.	1620. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in furnaces and boilers for the better combustion of smoke and generation of steam."— <i>A communication to him from abroad by Jean Baptiste Miguet, Dyer, and Pierre Boisselier, Copper-smith, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
HIDE. 29th June 1864.	1621. WILLIAM HIDE, of the Artesian Saw Mills, Talbot Road, Paddington, for an invention for—"Improvements in boilers for generating steam and consuming smoke." <i>Provisional protection NOT granted.</i>
WILSON. 29th June 1864.	1622. JOHN HAYS WILSON, of the firm of John Hays Wilson and Company, of Liverpool, in the County of Lancaster, Brass Founders and Ships' Ironmongers, for an invention for—"Improvements in portable water-closets peculiarly applicable for use on board ships." <i>Letters Patent sealed.</i>
BONNEVILLE. 29th June 1864.	1623. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved litho-chromolitho-typographic press."— <i>A communication from Jean Baptiste Huguet, a person residing at Paris, Rue St. Maur.</i> <i>Complete specification; Letters Patent sealed.</i>
FRIELINGHAUS. 29th June 1864.	1624. CHARLES FRIELINGHAUS, of No. 28, King Street, Cheapside, in the City of London, Merchant, for an invention for—"Improvements in the manufacture of starch and yeast, and the machinery employed therein."— <i>A communication to him from abroad by Ignatz Beu, of Uerdingen, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
DUFFY. 29th June 1864.	1625. THOMAS DUFFY, of No. 21, Busby Street, Church Row, Bethnal Green, in the County of Middlesex, Umbrella Manufacturer, for an invention for—"An improvement in umbrellas, parasols and sunshades." <i>Letters Patent sealed.</i>
CLARK. 29th June 1864.	1626. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the application of steam power to the cultivation of land."— <i>A communication to him from abroad by Aristide Paul Blanchet, Notary, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
LAVATER. NIBLETT. 29th June 1864.	1627. MANUEL LEOPOLD JONAS LAVATER, of Bath Street, Newgate Street, in the City of London, India-Rubber Manufacturer, and EDWARD WILLIAM NIBLETT, of Palace New Road, in the County of Surrey, Engineer, for an invention for—"Improvements in water-closets and urinals." <i>Letters Patent sealed.</i>
BROOMAN. 29th June 1864.	1628. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for the manufacture of nuts."— <i>A communication to him from abroad by Almond Glover and Edward Shelton, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BALANS. 30th June 1864.	1629. RAYMOND BALANS, of Abingdon Chambers, in the City of Westminster, and No. 24, Rue de Dunkerque, Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in jib-sail rings." <i>Letters Patent sealed.</i>
BALANS. 30th June 1864.	1630. RAYMOND BALANS, of Abingdon Chambers, in the City of Westminster, and No. 24, Rue de Dunkerque, Paris, in the Empire of France, Gentleman, for an invention for—"An improvement in hooks for marine and other purposes." <i>Letters Patent sealed.</i>

CORBY.
30th June 1864.

KIMBALL.
30th June 1864.

FIELD.
30th June 1864.

BROOKES.
30th June 1864.

COMBE.
30th June 1864.

BOULTON.
30th June 1864.

GALLAFENT.
30th June 1864.

DANCHELL.
1st July 1864.

DAY.
DAY.
1st July 1864.

PLIMSAUL.
1st July 1864.

LANGTON.
1st July 1864.

NICHOLS.
1st July 1864.

DEFRIES.
1st July 1864.

MCCGWIRE.
1st July 1864.

WYLEY.
GRAINGER.
1st July 1864.

NEWTON.
1st July 1864.

1631. JOHN CORBY, of Dunoon, in the County of Argyle, North Britain, Engineer, for an invention for—"Improvements in centrifugal machines such as are used for separating syrup from sugar, and in apparatus for making the same."

Letters Patent sealed.

1632. ALONZO KIMBALL, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in sewing-machines." *Letters Patent sealed.*

1633. HENRY FIELD, of Gloster Terrace, in the County of Middlesex, Gas Engineer, for an invention for—"An improved method of and apparatus for sorting eggs so as to distinguish those of different ages." *Provisional protection only.*

1634. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Albert Francis Johnson, of Boston, in the County of Suffolk, and State of Massachusetts, in the United States of America.* *Letters Patent sealed.*

1635. JAMES COMBE, of Belfast, in the Kingdom of Ireland, for an invention for—"An improved arrangement of machines for making cops." *Letters Patent sealed.*

1636. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, for an invention for—"Improvements in obtaining power from æriform fluids." *Letters Patent sealed.*

1637. DANIEL GALLAFENT, of Stepney Causeway, in the County of Middlesex, Engineer, for an invention for—"Improvements in pumps." *Letters Patent sealed.*

1638. FREDERICK LUDEWIG HAHN DANCHELL, of 38, Red Lion Square, in the County of Middlesex, Civil Engineer, for an invention for—"Certain improvements in apparatus by means of which air, gas or vapour is to be removed from tubes, pipes, tunnels, pans, retorts or other vessels." *Letters Patent sealed.*

1639. THOMAS DAY, senior, and THOMAS DAY, junior, both of Hartlepool, in the County of Durham, Sail Makers, for an invention for—"Improvements in apparatus for reefing and furling sails." *Letters Patent sealed.*

1640. JOHN PLIMSAUL, of Bedford Street, Plymouth, in the County of Devon, Ironmonger, for an invention for—"Improvements in the manufacture of fire-bars, lumps and gratings for cooking-stoves." *Provisional protection only.*

1641. JOHN LANGTON, of Westbourne Park, in the County of Middlesex, Gentleman, for an invention for—"Improved means of ventilating railway and other carriages, ships and other conveyances passing through the air." *Provisional protection only.*

1642. THOMAS NICHOLS, of the City of New York, in the United States of America, for an invention for—"Improvements in the preservation of eggs and in apparatus to be used in connection therewith." *Provisional protection only.*

1643. COLEMAN DEFRIES, of the firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Gas Engineer, for an invention for—"Improvements in the arrangement of the foot lights or float of theatres, concert rooms and other similar places, and in the appurtenances thereof." *Provisional protection only.*

1644. EDWARD THOMAS ST. LAWRENCE MCGWIRE, Captain 1st Royals, of Porchester, in the County of Hants, for an invention for—"Improvements in the means or method of slinging hammocks for military and other purposes." *Letters Patent sealed.*

1645. ANDREW WYLEY, of Aston Manor, in the County of Stafford, Geological Surveyor, and JOHN GRAINGER, of Handsworth, in the County of Stafford, Gun Maker, for an invention for—"Improvements in fire-arms." *Letters Patent sealed.*

1646. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in self-adjusting couplings for railway carriages."—*A communication to him from abroad by Hazen Webster, of Elgin, in the State of Illinois, United States of America.* *Letters Patent sealed.*

McCALLUM. 1st July 1864.	1647. DAVID McCALLUM, of the Octagon Warehouse, Union Road, Plymouth, for an invention for—"Improvements in apparatus for ascertaining distances." <i>Provisional protection only.</i>
ELLIS. ADAMS. 1st July 1864.	1648. JOSEPH ELLIS, of Brighton, in the County of Sussex, and JAMES ADAMS, of No. 6, Archer Street, Great Windmill Street, in the County of Middlesex, for an invention for—"Improvements in apparatus used when decanting wine and other liquids." <i>Letters Patent sealed.</i>
THOMAS. 1st July 1864.	1649. ALFRED THOMAS, of the Wharf, Cardiff, South Wales, Contractor, for an invention for—"Improvements in machinery for breaking stones." <i>Letters Patent sealed.</i>
TEMPLEMORE. 1st July 1864.	1650. ELTON TEMPLEMORE, of Tachbrook Street, Pimlico, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for temporarily securing corks in soda water and other bottles containing fluid and air or gases under pressure, which is also applicable for carrying bottles and other articles." <i>Provisional protection only.</i>
GRAHAM. PAYNE. 2nd July 1864.	1651. GEORGE FREDERICK GRAHAM, of No. 1, Upper Gordon Street, Euston Square, and WILLIAM PAYNE, of No. 2, Everett Street, Brunswick Square, both in the County of Middlesex, for an invention for—"Improvements in the manufacture of high pressure cocks." <i>Letters Patent sealed; specification filed by order.</i>
DAVIS. 2nd July 1864.	1652. WILLIAM BOLIVAR DAVIS, of Brooklyn, in the County of Kings, State of New York, United States of America, for an invention for—"An improved composition for preventing the fouling of ships and other vessels." <i>Provisional protection only.</i>
JARVIE. MILLER. 2nd July 1864.	1653. NEDRICK JARVIE, and WILLIAM MILLER, of Glasgow, in the County of Lanark, North Britain, Rope Makers, for an invention for—"Improvements in the manufacture of oakum and in apparatus therefor." <i>Letters Patent sealed.</i>
CRAIG. 2nd July 1864.	1654. WILLIAM GRINDLEY CRAIG, of Cannon Street, in the City of London, Engineer, for an invention for—"Improvements in feed apparatus for steam-boilers." —A communication to him from abroad by Michel Turck, of Paris, France. <i>Provisional protection only.</i>
GEDGE. 2nd July 1864.	1655. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the firework known as Roman candle."—A communication to him from abroad by Henri Frédéric Faure-Couvet, of Nantes, France. <i>Letters Patent sealed.</i>
FOX. 2nd July 1864.	1656. SAMUEL FOX, of Deepcar, near Sheffield, for an invention for—"Improvements in treating slags or cinders in order to obtain or produce cast steel therefrom." <i>Letters Patent sealed.</i>
LEE. 2nd July 1864.	1657. JAMES LEE, of Lightcliffe, near Halifax, in the County of York, Tanner, Currier and Leather Cutter, for an invention for—"Improvements in machinery or apparatus for shaving or levelling and splicing leather." <i>Provisional protection only.</i>
JACKSON. GLAHOLM. ROBSON. 2nd July 1864.	1658. WILLIAM JACKSON, THOMAS GLAHOLM, and SAMUEL SINCLAIR ROBSON, all of Sunderland, in the County of Durham, for an invention for—"Improvements in pumps." <i>Letters Patent sealed.</i>
WISKER. 4th July 1864.	1659. JOHN HENRY MARTIN VAN BUREN WISKER, of No. 44, Castle Street, Holborn, in the City of London, for an invention for—"An improved armour or shield for protecting ships, floating batteries, forts and artillery, from projectiles." <i>Provisional protection only.</i>
TOMKINS. 4th July 1864.	1660. ALFRED SAVILL TOMKINS, Lieutenant Victoria Rifles, Head Quarters, Kilburn, for an invention for—"Improvements in field or camp stoves for cooking." <i>Letters Patent sealed.</i>
TAYLOR. 4th July 1864.	1661. JOHN TAYLOR, Engineer, of 85, Arlington Street, New North Road, London, for an invention for—"An improved endless band brush and the application thereof." <i>Provisional protection only.</i>
JONES. 4th July 1864.	1662. JOHN WINTER JONES, of the City, County, and State of New York, in the United States of America, for an invention for—"Improvements in pianofortes."—A communication from Maurice Verques, a person residing at the City of New York, aforesaid. <i>Letters Patent sealed.</i>

- PALMER.
5th July 1864. 1663. GEORGE HOLWORTHY PALMER, of Queen's Crescent, Haverstock Hill, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for heating and evaporating liquids and fluids." *Letters Patent sealed.*
- MESSER.
5th July 1864. 1664. HENRY MESSER, of Roxbury, in the County of Norfolk, and State of Massachusetts, in the United States of America, but now of No. 18, King Street, Holborn, in the County of Middlesex, for an invention for—"Improvements in caloric or heated air engines." *Complete specification; Letters Patent sealed.*
- AITCHISON.
5th July 1864. 1665. ROBERT KER AITCHISON, of Forest Hill, in the County of Kent, for an invention for—"Improvements in apparatus for steering vessels." *Letters Patent sealed.*
- BLAKE.
5th July 1864. 1666. DAVID BLAKE, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in steam fire-engines."—*A communication to him from abroad by Lysander Button and Robert Blake, of Waterford, New York, U.S.A.* *Letters Patent sealed.*
- SYKES.
5th July 1864. 1667. BENJAMIN CLIFFORD SYKES, of Cleckheaton, in the County of York, M.D. and Surgeon, for an invention for—"Improvements in machinery to be employed for making bricks." *Provisional protection only.*
- LLOYD.
5th July 1864. 1668. WILLIAM LLOYD, of Dartmouth Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in the manufacture of hydro-carbon gas and in apparatus employed therein."—*A communication to him from abroad by William Henderson, residing at Valparaiso, South America.* *Letters Patent sealed.*
- PHILLIPS.
5th July 1864. 1669. GEORGE PHILLIPS, of Holborn Hill, in the City of London, Chemist, for an invention for—"Improvements in the manufacture of aniline colors." *Provisional protection only.*
- WHITEHOUSE.
PRIESTLAND.
5th July 1864. 1670. BENJAMIN WHITEHOUSE, Manufacturer, of Birmingham, in the County of Warwick, and CHARLES PRIESTLAND, Stamper and Piercer, also of Birmingham, aforesaid, for an invention for—"Improvements in the manufacture of wick and chimney holders for lamps." *Letters Patent sealed.*
- WILSON.
5th July 1864. 1671. JAMES EDWARDS WILSON, of Upper Norwood, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in constructing railway carriages and wheels." *Letters Patent sealed.*
- WILSON.
5th July 1864. 1672. JAMES EDWARDS WILSON of Upper Norwood, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in locomotive engines." *Provisional protection only.*
- WILSON.
5th July 1864. 1673. JAMES EDWARDS WILSON, of Upper Norwood, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in constructing the permanent ways of railways." *Letters Patent sealed.*
- CLIFTON.
5th July 1864. 1674. EDWARD CLIFTON, of Bradford, in the County of York, Ironmonger, for an invention for—"Improvements in brushes and in the manner of applying them to machinery for combing wool, cotton, silk or other fibrous substances." *Letters Patent sealed.*
- HOWELL.
6th July 1864. 1675. JOSEPH BENNETT HOWELL, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in apparatus for wringing and mangling."—*Partly his own invention and partly a communication to him from abroad by Samuel James Dennis, of Boston, in the United States of America.* *Letters Patent sealed.*
- GEDGE.
6th July 1864. 1676. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved album."—*A communication to him from abroad by Jules Abelous, of No. 15, Passage des Petites Ecuries, Paris, France.* *Complete specification; Letters Patent sealed.*
- TUNKS.
6th July 1864. 1677. DAVID TUNKS, of Accrington, in the County of Lancaster, Watch Maker, for an invention for—"Improvements in watches or other time-pieces for indicating whether they require to be wound up or not." *Provisional protection only.*
- RATCLIFFE.
AINSWORTH.
6th July 1864. 1678. EPHRAIM RATCLIFFE, and CHRISTOPHER AINSWORTH, both of Over Darwen, in the County of Lancaster, Overlookers, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*

VON RATHEN. 6th July 1864.	1679. ANTHONY BERNHARD BARON VON RATHEN, of Fitzroy Square, in the County of Middlesex, for an invention for—"A new system of locks and keys." <i>Letters Patent sealed.</i>
BUGG. 6th July 1864.	1680. FREDERICK JOHN BUGG, of No. 3, Tacket Street, Ipswich, in the County of Suffolk, Shoe Factor, for an invention for—"Improvements in the manufacture of pressed leather." <i>Letters Patent sealed.</i>
STURTEVANT. 6th July 1864.	1681. BENJAMIN FRANKLIN STURTEVANT, of the County of Suffolk, and State of Massachusetts, of the United States of America, for an invention for—"Improvements in the mode of uniting pieces of leather, and in the manufacture of shoes and boots." <i>Complete specification; Letters Patent sealed.</i>
SPENCER. 6th July 1864.	1682. JOHN SPENCER, of Doncaster, in the County of York, Implement Manufacturer, for an invention for—"Improved machinery for planting potatoes." <i>Letters Patent sealed.</i>
MARSDEN. 7th July 1864.	1683. EDWARD MARSLAND MARSDEN, of Handley Wood, in the County of Derby, Agriculturalist, for an invention for—"An improved method of propelling carriages and weights up and down inclines and uprights." <i>Letters Patent sealed.</i>
SKINNER. 7th July 1864.	1684. HENRY EDWARD SKINNER, of Shadwell, in the County of Middlesex, Engineer, for an invention for—"An improved steering apparatus." <i>Letters Patent sealed.</i>
MURRAY. 7th July 1864.	1685. GERALD MURRAY, residing at 35, Rue d'Angoulême, in the City of Paris, Empire of France, for an invention for—"An improved apparatus for writing." <i>Provisional protection only.</i>
JOHNSON. 7th July 1864.	1686. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the smelting or reducing of lead ores, and in the refining and softening of lead."— <i>A communication to him from abroad by Professor Alexander Hill Everett, of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
CRICHEY. 7th July 1864.	1687. HENRY CRICHEY, of Birmingham, in the County of Warwick, Ironfounder, for an invention for—"Improvements in reaping and mowing machines."— <i>A communication to him from abroad by Robert Bodington, of Melbourne, Victoria, in the Colony of Australia.</i> <i>Letters Patent sealed.</i>
NEWTON. 7th July 1864.	1688. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process for cleansing or clarifying impure water."— <i>A communication to him from abroad by Carl Johann Auguste Scheerer, of Freiberg, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
SMALLWOOD. 7th July 1864.	1689. WILLIAM SMALLWOOD, of Whitby, in the County of York, Ship Smith, for an invention for—"Improved apparatus for reefing, furling and setting sails." <i>Provisional protection only.</i>
DE PINNA. 7th July 1864.	1690. PHINEAS SOLOMON DE PINNA, of Fore Street, Cripplegate, in the City of London, for an invention for—"A new manufacture of artificial or imitation feathers and plumes." <i>Provisional protection only.</i>
WILSON. 7th July 1864.	1691. JAMES WILSON, of Exeter, in the County of Devon, and of Walbrook, in the City of London, for an invention for—"Improvements in tanning and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
COLLETTE. 8th July 1864.	1692. CHARLES HASTINGS COLLETTE, of No. 57, Lincoln's Inn Fields, in the County of Middlesex, Solicitor, for an invention for—"Improvements in washing machines."— <i>A communication to him from abroad by Doctor Isidore Sollier and Baron Gerard Dedel, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CARBUTT. CUTTS. 8th July 1864.	1693. EDWARD HAMER CARBUTT, of the Vulcan Iron Works, Bradford, in the County of York, Engineer, and WILLIAM CUTTS, of the same place, Manager, for an invention for—"Improvements in steam hammers." <i>Letters Patent sealed.</i>
EHRHARDT. 8th July 1864.	1694. LOUIS HENRY GUSTAVUS EHRHARDT, of Richmond Road, Bayswater, in the County of Middlesex, for an invention for—"An improved gunpowder." <i>Provisional protection only.</i>

- BLAKE.
8th July 1864. 1695. ALFRED BLAKE, of the Castle Brewery, Newport, Monmouthshire, for an invention for—"Improving water for the purposes of brewing and beer produced therefrom."
Letters Patent sealed.
- DIXON.
8th July 1864. 1696. EDWARD JOHN DIXON, of Richmond, in the County of Surrey, for an invention for—"An improved railway brake."
Letters Patent sealed.
- BAMLETT.
8th July 1864. 1697. ADAM CARLISLE BAMLETT, of the Vale of Mowbray Iron Works, Thirsk, in the County of York, Agricultural Engineer, for an invention for—"Improvements in reaping and mowing machines."
Letters Patent sealed.
- RUSSELL.
8th July 1864. 1698. GODFREY RUSSELL, of Albany Street, Regent's Park, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of apparatus for carrying or supporting stretchers and other articles or weights from the shoulders of bearers, and in straps to be used in combination therewith for attaching or securing bodies to stretchers."
Letters Patent sealed.
- HASELTINE.
8th July 1864. 1699. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in piston-heads and their packing."—*A communication to him from abroad by Henry Denison Dunbar, John Wesley Labaree, both of Hartland, Vermont, and Hamilton Ela Towle, of New York City, all in the United States of America.*
Letters Patent sealed.
- SHARP.
8th July 1864. 1700. STEPHEN SHARP, of No. 3, Melton Place, Euston Square, in the County of Middlesex, for an invention for—"An improved ship's anchor."
Provisional protection only.
- ROGERS.
8th July 1864. 1701. ABRAHAM ROGERS, of New Wortley, near Leeds, in the County of York, Colliery Proprietor, for an invention for—"Improvements in means or apparatus for supplying fuel or heat to steam-boiler or other furnaces, applicable also for ventilating mines and similar purposes."
Letters Patent sealed.
- MIDDLETON.
CONLONG.
8th July 1864. 1702. JOHN MIDDLETON, and JAMES CONLONG, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for grinding the card cylinders of carding-machines."
Letters Patent sealed.
- LEAHY.
8th July 1864. 1703. EDMUND LEAHY, of Langford Road, Kentish Town, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of wheels and axles."
Provisional protection only.
- FREEMAN.
9th July 1864. 1704. SAMUEL FREEMAN, of 5, Waterloo Street, Camberwell, in the County of Surrey, White Smith, Bell Hanger and Gas Fitter, for an invention for—"An improved apparatus for curing smoky chimneys and preventing down draughts therein."
Provisional protection only.
- MOUTIÉ.
9th July 1864. 1705. JEAN JOSEPH MOUTIÉ, of Paris, France, Manufacturing Chemist, for an invention for—"Improvements in distilling apparatus, suitable for rectifying, separating or combining with other suitable matters, benzol, petroleum or other more or less volatile hydrocarbons or their derivatives, concentrating acids, treating alcoholic products, or other similar purposes."
Provisional protection only.
- SHARP.
9th July 1864. 1706. THOMAS SHARP, of Nashville, Tennessee, North America, at present residing at Manchester, in the County of Lancaster, for an invention for—"Certain improvements in tanning hides and in the apparatus employed therein."
Letters Patent sealed.
- BROOMAN.
9th July 1864. 1707. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in presses."—*A communication to him from abroad by Pierre Samain, of Blois, France.*
Letters Patent sealed.
- HARTSHORNE.
9th July 1864. 1708. GEORGE HARTSHORNE, of Dudley, in the County of Worcester, Manufacturer, for an invention for—"An improved packing for engines or machines."—*A communication to him from abroad by Thomas Holt, of Trieste, in the Kingdom of Austria.*
Provisional protection only.
- WEBB.
CANT.
9th July 1864. 1709. GEORGE WILLIAM WYCKEHAM WEBB, and FREDERICK CANT, both of Croxted Road, Dulwich, in the County of Surrey, for an invention for—"Improvements in the manufacture of paints."
Provisional protection only.

GREER. 9th July 1864.	1710. THOMAS JOHN JOSEPH GREER, of 16, South Anne Street, in the City of Dublin, Gentlemen, for an invention for—"An improved ventilator." <i>Provisional protection only.</i>
GEDGE. 9th July 1864.	1711. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus to be used in stretching or drawing and finishing woven fabrics."— <i>A communication to him from abroad by Alphonse Delharpe, junior, of Tarare, France, Dyer and Finisher.</i> <i>Provisional protection only.</i>
WEBSTER. 9th July 1864.	1712. JOHN WEBSTER, of Bradford, in the County of York, Overlooker, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
MEISEL. 9th July 1864.	1713. MORITZ MEISEL, of Brompton, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for thrashing grain and seed."— <i>A communication to him from abroad by Isidor Pintus, of Berlin, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
HORSFALL. 11th July 1864.	1714. JONATHAN WRIGHT HORSEFALL, of 40, Longwood Avenue, Dublin, for an invention for—"Improvements in the manufacture of peat coal or fuel." <i>Letters Patent sealed.</i>
MCGRAH. 11th July 1864.	1715. THOMAS MCGRAH, of 45, William Street, Sheffield, for an invention for—"Improvements in cutlery bolsters." <i>Letters Patent sealed.</i>
STUTTARD. 11th July 1864.	1716. DAVID STUTTARD, of Nelson, near Burnley, in the County of Lancaster, Manager, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
BILLUPS. 11th July 1864.	1717. JONATHAN EDWIN BILLUPS, of 12, North Street, Westminster, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection only.</i>
NEWTON. 11th July 1864.	1718. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for measuring the flow of liquids."— <i>A communication to him from abroad by Jacob Schneuhr, of St. Petersburg, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
STICKLAND. 11th July 1864.	1719. JAMES STICKLAND, of No. 25½, Gee Street, Saint Luke, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for laying veneers on to surfaces." <i>Provisional protection only.</i>
BROOMAN. 11th July 1864.	1720. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in batteries and in electric printing telegraphs."— <i>A communication to him from abroad by Victor Delaye, of Paris, France.</i> <i>Provisional protection only.</i>
GEDGE. 11th July 1864.	1721. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in carriages."— <i>A communication to him from abroad by Pierre Varney-Morlet, of Langres, France, Coach Builder.</i> <i>Letters Patent sealed.</i>
AMIES. BARFORD. POPE. 11th July 1864.	1722. THOMAS AMIES, WILLIAM BARFORD, and EDWARD POPE, all of Peterborough, in the County of Northampton, for an invention for—"Improvements in rollers used for rolling grass and other lands and roads." <i>Provisional protection only.</i>
DANCHELL. 12th July 1864.	1723. FREDERICK LUDEWIG HAHN DANCHELL, of 30, Great Ormond Street, in the County of Middlesex, for an invention for—"Certain improvements in the treatment of plastic materials." <i>Letters Patent sealed.</i>
ROBINSON. 12th July 1864.	1724. JEREMIAH ROBINSON, of 125, New Kent Road, in the County of Surrey, Machinist, for an invention for—"Improvements in apparatus for sharpening vertical and circular saws, without the use of files." <i>Letters Patent sealed.</i>
SMITH. RICHARDS. 12th July 1864.	1725. ZEPHANIAH BRIDGEWATER SMITH, of Dudley, in the County of Worcester, Manufacturer, and JOHN RICHARDS, of Tipton, in the County of Stafford, Smith, for an invention for—"Improvements in railway chairs." <i>Letters Patent sealed.</i>

- GREENWOOD.
UNDERWOOD.
12th July 1864.
CAREY.
12th July 1864.
HADFIELD.
12th July 1864.
SCHAD.
12th July 1864.
DE WAILLY.
12th July 1864.
DAY.
12th July 1864.
FORBES.
12th July 1864.
TOMLINSON.
BRASSINGTON.
12th July 1864.
CLARK.
12th July 1864.
BÖSCH.
12th July 1864.
BARFORD.
POPE.
BRADFORD.
12th July 1864.
WRAY.
12th July 1864.
WOOD.
12th July 1864.
FRANCIS.
13th July 1864.
SPENCE.
15th July 1864.
1726. BENJAMIN GREENWOOD, Brush Manufacturer, and ISAAC UNDERWOOD, Hair Dresser, both of Bradford, in the County of York, for an invention for—"Improvements in hair and flesh brushes."
Letters Patent sealed.
1727. STEPHEN CAREY, of East Ham, in the County of Essex, Animal Charcoal Manufacturer, for an invention for—"Improvements in apparatus for calcining bones, and for reburning and revivifying animal charcoal."
Letters Patent sealed.
1728. WILLIAM HADFIELD, of Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for propelling steam boats and other vessels."
Provisional protection only.
1729. LUDWIG SCHAD, of Cassel, in the Electorate of Hesse, at present residing temporarily at Warrington, in the County of Lancaster, for an invention for—"Improvements in the manufacture of pigments."
Letters Patent sealed.
1730. CLÉMENT DE WAILLY, living at No. 56, South Molton Street, Bond Street, London, for an invention for—"Improvements in the construction of buttons and the fastenings thereof."
Provisional protection only.
1731. SAINT JOHN VINCENT DAY, of Glasgow, in the County of Lanark, North Britain, Civil Engineer and Patent Agent, for an invention for—"Improvements in wheels and axle-boxes for locomotive engines, carriages and other vehicles used on railways, tramways and common roads."—*A communication to him from abroad by Andrew Lischine and James Handyside, of St. Petersburg, in the Empire of Russia, Engineers.*
Letters Patent sealed.
1732. JOHN FORBES, of Isla Distillery, in the City and County of Perth, North Britain, Distiller, for an invention for—"Improvements in distilling liquids, and in the machinery apparatus or means employed therefor."
Letters Patent sealed.
1733. JOHN TOMLINSON, of Kimberley, in the County of Nottingham, Gentleman, and THOMAS BRASSINGTON, of the Town and County of the Town of Nottingham, Gentleman, for an invention for—"Improvements in securing envelopes, cases, covers or wrappers."
Letters Patent sealed.
1734. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in producing designs and ornamentation by means of metallic surfaces."—*A communication to him from abroad by Emanuel Meyer, Designer, of 29, Boulevard St. Martin, Paris.*
Provisional protection only.
1735. ADOLPH BÖSCH, of No. 30, Hatton Garden, in the City of London, for an invention for—"Improvements in the manufacture of window-blinds."—*A communication to him from abroad by Max Baumstark, a person resident at No. 2, Cavo Veltabbia, Milan.*
Letters Patent sealed.
1736. WILLIAM BARFORD, and EDWARD POPE, of Peterborough, and SAMUEL BRADFORD, of Farcet, in the County of Huntingdon, for an invention for—"Improvements in chaff cutting machines."
Provisional protection only.
1737. GEORGE OCTAVIUS WRAY, of Clement's Inn, in the County of Middlesex, Barrister at Law, for an invention for—"Improvements in portfolios."
Letters Patent sealed.
1738. WILLIAM WOOD, of Monkhill, near Pontefract, in the County of York, for an invention for—"Improvements in means and machinery for 'warping' or covering land, bog or peat with earth or soil, parts of which are applicable in raising and conveying soil or earthy matters, in the formation and cleansing of canals, watercourses or ways, reservoirs, harbours and docks."
Provisional protection only.
1739. JOSEPH FRANCIS, of Whitefriars, in the City of London, for an invention for—"Improvements in machinery or apparatus for screening and cleaning grain and seeds."
Letters Patent sealed.
1740. WILLIAM SPENCE, of 50, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for manufacturing metallic screw nuts."—*A communication to him from abroad by George Henry Knight, a person resident at Cincinnati, in the State of Ohio, in the United States of North America.*
Letters Patent sealed.

COUGHIN.
13th July 1864.

1741. THOMAS TOWNSEND COUGHIN, of Crucifix Lane, Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improvements in the means of and apparatus for obtaining motive-power, and for the distribution and application thereof."
Provisional protection only.

PARSONS.
13th July 1864.

1742. WILLIAM PARSONS, of the firm of William Parsons and Company, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"An improved lever fastening for sleeve links, applicable also for brooches, clasps, solitaires, studs and other articles of jewellery."
Letters Patent sealed.

WISE.
13th July 1864.

1743. WILLIAM LLOYD WISE, of Buckingham Street, Adelphi, in the City of Westminster, for an invention for—"Improvements in the mode of and machinery for treating fibrous materials."—*A communication to him from abroad by François Coquelatère, Joseph Staës, Jean Baptiste Ravet otherwise Ravet-Anceau, and Julien Bayart, all of No. 79, Rue Imperiale, Lille, France.*
Letters Patent sealed.

PEAN.
LEGROS.
13th July 1864.

1744. VICTOR PEAN, Gentleman, and ALPHONSE FRANÇOIS LEGROS, Architect, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, for an invention for—"Certain improvements in coffins and for preventing noxious emanations from dead bodies."
Letters Patent sealed.

KIRBY.
13th July 1864.

1745. EDWARD KIRBY, of Lower Moor, Oldham, in the County of Lancaster, Agent, for an invention for—"Improvements in machinery for applying cop tubes to the spindles of mules for spinning and doubling."
Provisional protection only.

LEWIS.
13th July 1864.

1746. JOHN LEWIS, of Preston, in the County of Lancaster, Engineer and Draughtsman, for an invention for—"Improvements in machinery for making bolts, rivets, spikes and other like articles."
Letters Patent sealed.

PITCHER.
13th July 1864.

1747. GURDON WADSWORTH PITCHER, of No. 11, Cullum Street, in the City of London, Merchant, for an invention for—"An improved self-adjusting pipe wrench."—*A communication to him from abroad by Henry Read, of Brooklyn, New York, United States of America.*
Letters Patent sealed.

KERRUISH.
13th July 1864.

1748. EDWARD KERRUISH, of Liverpool, in the County of Lancaster, Shipbuilder, for an invention for—"An apparatus for collecting money or tickets, especially applicable to omnibuses."
Provisional protection only.

WEILD.
13th July 1864.

1749. WILLIAM WEILD, of the City of Manchester, in the County of Lancaster, Consulting Engineer, for an invention for—"Improvements in pressure gauges."—*The result partly of his own invention and partly a communication from abroad made to him by Philip Justice, of Philadelphia, in the United States.*
Provisional protection only.

GILMOUR.
13th July 1864.

1750. JAMES GILMOUR, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in harmoniums and similar musical instruments, and in the mechanism or apparatus connected therewith."
Letters Patent sealed.

SMITH.
13th July 1864.

1751. BENJAMIN SMITH, of No. 31, Cumberland Street, Birmingham, in the County of Warwick, Gun Barrel Maker, for an invention for—"Improvements in apparatus used when drawing iron, steel and other metal tubes."
Letters Patent sealed.

CLAXTON.
13th July 1864.

1752. CHRISTOPHER CLAXTON, of Park Road, Brompton, in the County of Middlesex, Captain in the Royal Navy, for an invention for—"Improvements in railway carriages."
Letters Patent sealed.

MAITLAND.
13th July 1864.

1753. PELHAM MAITLAND, of River Street, Myddelton Square, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for boring ground for wells and other purposes."
Provisional protection only.

TUCKER.
14th July 1864.

1754. JOHN SCOTT TUCKER, of Duke Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in the construction of railway carriages."
Letters Patent sealed.

BURSTOW.
14th July 1864.

1755. EDWARD BURSTOW, of Horsham, in the County of Sussex, Architect, for an invention for—"An improved apparatus for communicating signals in railway trains."
Provisional protection only.

SMITH.
BOOTH.
14th July 1864.

1756. ROBERT SMITH, Paper Hanging Manufacturer, and JABEZ BOOTH, Foreman, both of the Heywood, Higginbottom, Smith and Company, Limited, Paper Hanging Works, Hyde Road, in the City of Manchester, for an invention for—"Certain improvements in the manufacture of paper hangings."

Letters Patent sealed.

BOYLE.
14th July 1864.

1757. THOMAS BOYLE, of 31, Gray's Inn Road, London, in the County of Middlesex, Lighting, Warming and Ventilating Engineer, for an invention for—"An improved air and smoke valve."

Letters Patent sealed and specification filed by order.

BERNAYS.
14th July 1864.

1753. JOSEPH BERNAYS, of No. 18, Woburn Place, Russell Square, in the County of Middlesex, for an invention for—"Improvements in apparatus for raising and propelling water, air and other fluids and gases, and in driving gear for the same, which latter is also applicable to other purposes."

Letters Patent sealed.

CROLL.
14th July 1864.

1759. ALEXANDER ANGUS CROLL, of Coleman Street, in the City of London, Civil Engineer, for an invention for—"Improvements in the manufacture or preparation of material for the purification of gas."

Letters Patent sealed.

NEEDHAM.
14th July 1864.

1760. JOSEPH NEEDHAM, of Piccadilly, in the County of Middlesex, Gunmaker, for an invention for—"Improvements in breech-loading ordnance and other fire-arms, and in cartridges and projectiles to be used with the same."

Provisional protection only.

WHITE.
14th July 1864.

1761. WILLIAM WHITE, of Abergavenny, in the County of Monmouth, Builder's Foreman, for an invention for—"Improvements in umbrellas and sun shades."

Provisional protection only.

CARY.
14th July 1864.

1762. WILLIAM CARY, of Manchester, in the County of Lancaster, Carriage Spring Manufacturer, for an invention for—"Certain improvements in mechanism or apparatus for forging carriage springs."

Provisional protection only.

LANCASTER.
LANCASTER.
WHITAKER.
14th July 1864.

1763. THOMAS LANCASTER, Roller Coverer, JOHN LANCASTER, Cut-looker, and JAMES WHITAKER, Overlooker, all of Burnley, in the County of Lancaster, for an invention for—"An improvement in or addition to machinery employed for spinning wool, cotton and other fibrous materials."

Provisional protection only.

TURNER.
14th July 1864.

1764. FREDRICK WILLIAM TURNER, of Linslade Works, Linslade, in the County of Bucks, Engineer, for an invention for—"Improvements in implements for cultivating the soil."

Letters Patent sealed.

THURGAR.
14th July 1864.

1765. WALTER CHRISTOPHER THURGAR, of the City of Norwich, Manufacturer, for an invention for—"A new or improved instrument for protecting gardens and fields from birds."

Letters Patent sealed.

BROOMAN.
14th July 1864.

1766. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of fluoride of silicium."—*A communication to him from abroad by Cyprien Marie Tessié du Motay and Edouard Karcher, of Saarbruck, Rhenish Prussia.*

Letters Patent sealed.

CLARK.
14th July 1864.

1767. JOHN CLARK, of the North London Railway Works, Bow, in the County of Middlesex, Engineer, for an invention for—"An instantaneous self-acting and continuing alarm actuated by eccentric or ratchet wheels, but requiring no end-couplings, for the protection of passengers in railway trains."

Letters Patent sealed.

TONGUE.
14th July 1864.

1768. JOHN GARRETT TONGUE, of the firm of Tongue & Birkbeck, Patent Agents and Engineers, 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the arrangement and construction of water-wheels."—*A communication to him from abroad by Pierre François Millot, Hydraulic Engineer, and Madame Augustin Naudin Lap'atte, Widow, both of Paris, in the Empire of France.*

Letters Patent sealed.

WESTLY.
14th July 1864.

1769. WILLIAM KING WESTLY, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in machinery for hackling, combing and preparing to be spun, flax, hemp and other fibrous substances."

Letters Patent sealed.

SAUNDERS.
15th July 1864.

1770. JONES SAUNDERS, of Greenwich, in the County of Kent, Engineer, for an invention for—"Improvements in instruments for indicating the density of the water used in steam-boilers."

Letters Patent sealed.

GROVE. CARRON. 15th July 1864.	1771. DANIEL BOND GROVE, of Birmingham, in the County of Warwick, Manager, and WILLIAM CARRON, of Birmingham, aforesaid, Machinist, for an invention for—"Improvements in envelopes." <i>Letters Patent sealed.</i>
CROFT. 15th July 1864.	1772. JOHN McGRIGOR CROFT, Doctor of Medicine, of No. 8, Abbey Road, St. John's Wood, Parish of Marylebone, County of Middlesex, for an invention for—"Improvements in shot, shells, rockets or arrows." <i>Provisional protection only.</i>
HENRY. 15th July 1864.	1773. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in organs and other musical instruments, and in apparatus for preparing or producing certain articles to be used therein."— <i>A communication to him from abroad by Joseph Antoine Testé, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
DAVIES. 15th July 1864.	1774. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in breech-loading fire-arms and in cartridges or charges for the same or for ordnance."— <i>A communication to him from abroad by William Morgenstern and Barton Howard Jenks, both of the City of Philadelphia, State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
WINTON. 15th July 1864.	1775. PETER WINTON, of Thorn, near Falkirk, in the County of Stirling, North Britain, Agricultural Implement Maker, for an invention for—"Improvements in reaping-machines." <i>Provisional protection only.</i>
GILL. 15th July 1864.	1776. JOHN GILL, of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"Improved means for facilitating reciprocating movements of heavy parts of machinery." <i>Letters Patent sealed.</i>
WEEKS. 15th July 1864.	1777. JOHN WEEKS, of Baker Street, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in umbrellas and other like articles." <i>Letters Patent sealed; no specification filed.</i>
CHALMERS. 15th July 1864.	1778. JAMES CHALMERS, of No. 2, Bickerton Terrace, Haverstock Hill, for an invention for—"Improvements in armour for ships of war, floating batteries and fortifications." <i>Letters Patent sealed.</i>
WICKHAM. 15th July 1864.	1779. THOMAS WICKHAM, of Pen y Pwnd House, Abergavenny, County of Monmouth, Major unattached, in Her Majesty's Army, for an invention for—"An improved mode of calculating distances in rifle shooting and apparatus connected therewith." <i>Provisional protection only.</i>
SWINDELLS. 15th July 1864.	1780. ISRAEL SWINDELLS, of Wigan, in the County of Lancaster, for an invention for—"Improvements in obtaining hydraulic and other cements from residuums or wastes." <i>Letters Patent sealed.</i>
BUTES. 15th July 1864.	1781. EDWARD BUTES, of Cross Street, Wilderness Row, in the County of Middlesex, Fancy Goods Manufacturer, for an invention for—"Improvements in letter balances and other weighing apparatus." <i>Provisional protection only.</i>
JOHNSON. 16th July 1864.	1782. THOMAS JOHNSON, Engineer, of Hadleigh, in the County of Suffolk, for an invention for—"Improvements in machinery for washing and cleansing bottles and jars or such like articles." <i>Letters Patent sealed.</i>
TILLIE. 16th July 1864.	1783. WILLIAM TILLIE, of Londonderry, in the County of Londonderry, Ireland, Manufacturer, for an invention for—"Improvements in under-shirts." <i>Provisional protection only.</i>
BONNET. 16th July 1864.	1784. AMELIE ANGELINA BONNET, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, for an invention for—"Certain improvements in the mode of preparing and applying chemical fumigations to the treatment of human diseases, and in apparatus connected therewith."— <i>Partly a communication to her by her late Husband, M. Leon Bonnet, and partly invented by herself.</i> <i>Letters Patent sealed.</i>
WYLEY. 16th July 1864.	1785. ANDREW WYLEY, of Barker Street, Aston Manor, in the County of Stafford, Geological Surveyor, for an invention for—"Improvements in breech-loading fire-arms including revolvers and ordnance." <i>Letters Patent sealed.</i>
CLAYTON. 16th July 1864.	1786. JOHN CLAYTON, of West Bromwich, in the County of Stafford, Furnace Builder and Contractor, for an invention for—"Improvements in furnaces for heating and melting iron and steel, and for other purposes." <i>Letters Patent sealed.</i>

- SMITH.
NELSON.
16th July 1864.
1787. ZEPHANIAH BRIDGEWATER SMITH, of Dudley, in the County of Worcester, Manufacturer, and WILLIAM LEES NELSON, of Birmingham, in the County of Warwick, Tool Maker, for an invention for—"Improvements in apparatus for signalling on railway trains."
Provisional protection only.
- HODGE.
16th July 1864.
1788. THOMAS FRANKLIN HODGE, of No. 25, Cannon Street, in the City of London, Engineer, for an invention for—"A compound duplex machine for sewing and stitching."—*A communication to him from abroad by Richard Mott Wanzer, of Hamilton, Canada West, in her Majesty's Colony of North America.*
Complete specification; Letters Patent sealed.
- BARCLAY.
16th July 1864.
1789. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in the manufacture of pig iron, and in the machinery or apparatus employed therein."
Letters Patent sealed.
- WHITEHURST.
16th July 1864.
1790. SQUIRE WHITEHURST, of Derby, in the County of Derby, Foreman to Messieurs Boden and Smith, of the same place, Lace Manufacturers, for an invention for—"Machinery employed in doing certain work relating to bobbins and carriages used in bobbin net or twist lace machines, and performing with it operations which have hitherto been effected solely by hand labour."
Letters Patent sealed.
- WHITLEY.
16th July 1864.
1791. WILLIAM WHITLEY, of High Street, Notting Hill, in the County of Middlesex, Dyer and Scourer, for an invention for—"Improvements in washing-machines."
Letters Patent sealed.
- EBDY.
BURDON.
16th July 1864.
1792. THOMAS CHARLES EBDY, Architect and Surveyor, and MATTHEW BURDON, Medical Student, both of the City of Durham, for an invention for—"Improvements in the means of and apparatus for lighting and extinguishing gas-lamps."
Provisional protection only.
- ASKEW.
16th July 1864.
1793. CHARLES ASKEW, of No. 27½, Charles Street, Hampstead Road, in the County of Middlesex, Coppersmith, for an invention for—"Improvements in the permanent way of railways."
Provisional protection only.
- CRANSTON.
16th July 1864.
1794. WILLIAM MCINTYRE CRANSTON, of No. 77, Upper Thames Street, in the City of London, for an invention for—"Improvements in mowing and reaping machines."—*A communication to him from abroad by Walter Abbott Wood, a person resident at Hoosick Falls, New York, United States of America.*
Letters Patent sealed.
- SEEBOHM.
18th July 1864.
1795. FREDERIC SEEBOHM, of Düsseldorf, in the Kingdom of Prussia, and of the Town and County of the Town of Newcastle-upon-Tyne, Merchant and Manufacturer, for an invention for—"Improvements in the manufacture of iron."
Letters Patent sealed; no specification filed.
- WILSON.
18th July 1864.
1796. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in signalling on railway trains, and in securing the doors and windows of railway carriages."
Provisional protection only.
- WESTMACOTT.
18th July 1864.
1797. PERCY GRAHAM BUCHANAN WESTMACOTT, of Elswick, Newcastle-on-Tyne, for an invention for—"Improvements in machinery used for dressing stone, and in cutting or driving galleries, tunnels and other works in stone or mineral."
Letters Patent sealed.
- COSSERAT.
18th July 1864.
1798. FRANÇOIS CONSTANT COSSERAT, of Amiens, a Town of France, Furnace Builder, for an invention for—"Improvements in smoke burning furnaces applicable to steam-boilers, puddling and other furnaces used for working metals, as well as for any other industrial purposes."
Letters Patent sealed.
- ESPIRAT.
SAUSE.
19th July 1864.
1799. ANTOINE ESPIRAT, and ETIENNE SAUSE, of Marseille, in the Department of the Mouth of Rhône, in the Empire of France, for an invention for—"An improved filter."
Letters Patent sealed.
- LEA.
19th July 1864.
1800. EDMUND LEA, of Tipton, in the County of Stafford, Mill and Forge Manager, for an invention for—"A new or improved combined pianoforte and harmonium."
Letters Patent sealed.
- DALZELL.
19th July 1864.
1801. ALLAN DALZELL, of Birmingham, in the County of Warwick, Pin Maker, for an invention for—"Improvements in holders and suspenders for holding and suspending tickets, labels and other articles."
Letters Patent sealed.

BOURNE.
19th July 1864.

1802. THEODORE BOURNE, of the City, County, and State of New York, in the United States of America, at present residing at 34, Woburn Place, London, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for transmitting motion."—*A communication to him from abroad by Mathaus Kaefcr, of Factoryville, in the County of Richmond, and State of New York, in the United States of America.*
Letters Patent sealed.

MAYNES.
19th July 1864.

1803. JOHN MAYNES, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in looms for weaving."
Letters Patent sealed.

DE'BRIOU.
19th July 1864.

1804. HENRY EDWARD FRANCIS DE BRIOU, Doctor of Medicine, of No. 35, Welbeck Street, Cavendish Square, in the County of Middlesex, for an invention for—"An improved composition for protecting and preserving metals, such as iron, copper and zinc used in the construction of ships, or in the protection of their sides and bottoms, from oxydation and corrosion, from the action of sea water, and for protecting from corrosion all submerged substances, such as chains, anchors, cables and every oxydable metal submerged in water or exposed to atmospheric influences."
Letters Patent sealed.

SYME.
19th July 1864.

1805. JAMES SYME, of Glasgow, in the County of Lanark, Agent, for an invention for—"Improvements in fire-arms and in apparatus connected therewith."
Letters Patent sealed.

PHALP.
19th July 1864.

1806. OLIVER PHALP, of North Shields, in the County of Northumberland, for an invention for—"Improvements in reefing, furling and setting square sails."
Letters Patent sealed.

HARDING.
19th July 1864.

1807. GUSTAVUS PALMER HARDING, of 77, Cornhill, in the City of London, Merchant, for an invention for—"Improvements in the manufacture of guns and ordnance."
Letters Patent sealed.

WHITTAKER.
COCKER.
20th July 1864.

1808. CHARLES WHITTAKER, of the Lower Moor Iron Works, Oldham, in the County of Lancaster, Machine Maker, and JAMES COCKER, of the same place, Overlooker, for an invention for—"Certain improvements in self-acting mules for spinning and doubling."
Letters Patent sealed.

LAUBEREAU.
20th July 1864.

1809. JOSEPH LAUBEREAU, Civil Engineer, of 13, Rue Gaillon, Paris, for an invention for—"Improvements in producing motive-power by the expansion and contraction of air, available also for elevating water and other liquids."
Letters Patent sealed.

GEDGE.
20th July 1864.

1810. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus for checking the weight of luggage and merchandise."—*A communication to him from abroad by Elisa Catenot, of 39, Faubourg Saint Martin, Paris, France, Widow.*
Provisional protection only.

WILKS.
20th July 1864.

1811. WILLIAM HENRY WILKS, of No. 69, Great Prescott Street, Leman Street, Whitechapel, in the County of Middlesex, for an invention for—"Improvements in fire-arms."
Letters Patent sealed.

COTON.
20th July 1864.

1812. JOHN COTON, of Blackpool, in the County of Lancaster, Painter, for an invention for—"Improvements in machinery for washing clothes, wool and other fibres and fabrics."
Letters Patent sealed.

NEWTON.
20th July 1864.

1813. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of and mode of applying explosive compounds."—*A communication to him from abroad by Alfred Nobel, of H  leneborg, Stockholm, in the Kingdom of Sweden.*
Letters Patent sealed.

BARTON.
SIDEBOTHAM.
NEVILL.
20th July 1864.

1814. ALFRED BARTON, JOSEPH SIDEBOTHAM, and THOMAS HENRY NEVILL, of Strines, in the County of Derby, and Manchester, in the County of Lancaster, Calico Printers, for an invention for—"Improvements in the treatment of printed or dyed calicos and other fabrics."
Provisional protection only.

YOUNG.
21st July 1864.

1815. EDWARD YOUNG, of Oughtibridge, near Sheffield, in the County of York, Fire Brick Manufacturer, for an invention for—"Improvements in drying and calcining iron and other ores."
Provisional protection only.

COOPER. 21st July 1864.	1816. JOSEPH ROCK COOPER, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
HART. 21st July 1864.	1817. JOHN HART, of Sunderland, in the County of Durham, Master Mariner, for an invention for—"Improvements in reefing fore and aft sails." <i>Letters Patent sealed.</i>
LEES. 21st July 1864.	1818. ROBERT LEES, of Dukinfield, in the County of Chester, Engineer, for an invention for—"Certain improvements in the adaptation of screw propellers for ships or vessels." <i>Provisional protection only.</i>
GEDGE. 21st July 1864.	1819. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in stirrups."— <i>A communication to him from abroad by Louis Guillaume Bartenbach, of 39, Faubourg Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
BOOTH. 21st July 1864.	1820. WILLIAM BOOTH, Auctioneer, Surveyor and Estate Agent, of No. 22, Abbey Road, Saint John's Wood, Parish of Marylebone, and County of Middlesex, for an invention for—"An improved means or method of communication between the guards, passengers and engine drivers of railway trains or other public conveyances to which the same may be applicable." <i>Provisional protection only.</i>
WHITFORD. 21st July 1864.	1821. JOHN WHITFORD, of Liverpool, in the County of Lancaster, Manufacturer of Ice Safes and Freezing Machines, for an invention for—"Improvements in machinery or apparatus for agitating freezing mixtures, for cooling wine and other liquors or liquids, and for manufacturing ice and ice cream." <i>Letters Patent sealed.</i>
SALAMON. 21st July 1864.	1822. NAHUM SALAMON, of Ludgate Street, in the City of London, Sewing Machine Factor, for an invention for—"Improvements in sewing-machinery."— <i>A communication to him from abroad by The Florence Sewing Machine Company, of Florence, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 21st July 1864.	1823. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in electro-telegraphic apparatus."— <i>A communication to him from abroad by Royal House of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
TOPP. HOLT. 21st July 1864.	1824. ALFRED TOPP, of Farnworth, in the County of Lancaster, Cotton Spinner, and JOHN HOLT, of the same place, Spinner, for an invention for—"Improvements in machinery or apparatus for twisting and doubling cotton and other fibrous materials applicable to the manufacture of driving bands and other purposes." <i>Letters Patent sealed.</i>
HIGGINS. 21st July 1864.	1825. JAMES HIGGINS, of Salford, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for cleaning cotton from seeds." <i>Letters Patent sealed.</i>
HINKS. HINKS. 22nd July 1864.	1826. JOHN HINKS, of Birmingham, in the County of Warwick, Manufacturer, and JOSEPH LESTER HINKS, of Birmingham, aforesaid, Manufacturer, for an invention for—"Improvements in attaching door and other knobs to spindles." <i>Letters Patent sealed.</i>
GEDGE. 22nd July 1864.	1827. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved process or means of decongelating oils."— <i>A communication to him from abroad by Eugène Bernard and Eugène Perrin, both of No. 39, Faubourg St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MÖLLER. 22nd July 1864.	1828. JOHANNES MÖLLER, of No. 8, Shaftesbury Villas, Hornsey Rise, Islington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of marking ink." <i>Provisional protection only.</i>
PESKETT. 22nd July 1864.	1829. FREDERICK PESKETT, of Sunderland, in the County of Durham, Engineer, for an invention for—"Improvements in rivet making machines." <i>Letters Patent sealed.</i>

SNELL. ALLIBON. 22nd July 1864.	1830. EDWARD SNELL, of Saltash, in the County of Cornwall, Engineer, and GEORGE ALLIBON, of Greenwich, in the County of Kent, Marine Engineer, for an invention for—"Improvements in the construction of anchors." <i>Letters Patent sealed.</i>
SANDERSON. 22nd July 1864.	1831. CHARLES SANDERSON, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the manufacture of shafts and girders, and in uniting large masses of iron for various purposes." <i>Provisional protection only.</i>
BROOMAN. 22nd July 1864.	1832. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the construction of cannon and other ordnance."— <i>A communication to him from abroad by Francis Sorrel Claxton, of Ruelle, France.</i> <i>Provisional protection only.</i>
HALL. ROOSEN. 23rd July 1864.	1833. DENNIS HALL, of Winsford, in the County of Chester, Engineer, and AUGUST LUDWIG ROOSEN, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of salt." <i>Letters Patent sealed.</i>
STEVENSON. 23rd July 1864.	1834. GRAHAM STEVENSON, of Airdrie, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in valves for apparatus worked by steam or other fluid." <i>Letters Patent sealed.</i>
BARCROFT. 23rd July 1864.	1835. JAMES BARCROFT, of Newchurch, in the County of Lancaster, for an invention for—"Improvements in apparatus for the manufacture of felted cloth." <i>Provisional protection only.</i>
OSLER. 23rd July 1864.	1836. ABRAHAM FOLLETT OSLER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in constructing and propelling ships and other floating vessels." <i>Provisional protection only.</i>
LAWSON. 23rd July 1864.	1837. WILLIAM SIMPSON LAWSON, of High Street Place, Stepney Green, London, Merchant, for an invention for—"Improvements in railway carriages for obtaining a communication by a buffer platform from one carriage to another of a train." <i>Provisional protection only.</i>
CLARK. 23rd July 1864.	1838. JAMES CLARK, of Manchester, in the County of Lancaster, India-Rubber Manufacturer, for an invention for—"Improved machinery or apparatus for cutting slate, marble or stone." <i>Provisional protection only.</i>
BROOMAN. 23rd July 1864.	1839. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new process for treating hemp, flax and the waste therefrom, in order to substitute such matters for cotton."— <i>A communication to him from abroad by La Société Joaquin Arimon Passarell and Company, of Barcelona, Spain.</i> <i>Provisional protection only.</i>
LE BOULENGÉ. 23rd July 1864.	1840. PAULUS ÆMILIUS LE BOULENGÉ, of Brussels, in the Kingdom of Belgium, Officer in the Artillery of His Majesty the King of the Belgians, for an invention for—"An electro-balistic chronographe." <i>Letters Patent sealed.</i>
GREGORY. 23rd July 1864.	1841. FRANCIS GREGORY, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery or apparatus employed in breweries and distilleries." <i>Letters Patent sealed.</i>
BARKER. 23rd July 1864.	1842. DAVID BARKER, of Ceylon Street, Battersea Park, in the County of Surrey, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Letters Patent sealed.</i>
FRASER. 25th July 1864.	1843. JOHN FRASER, of 73, Mildmay Road, Islington, in the County of Middlesex, for an invention for—"Improvements in arranging and actuating window curtains, and apparatus connected therewith." <i>Provisional protection only.</i>
WILSON. 25th July 1864.	1844. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
BELL. 25th July 1864.	1845. JOHN BELL, of 15, Douro Place, Victoria Road, Kensington, in the County of Middlesex, Esquire, for an invention for—"The combination in one of window sill and window garden." <i>Provisional protection only.</i>

WHITE.
25th July 1864.

1846. JAMES CHADNOR WHITE, of Liverpool Street, in the City of London, for an invention for—"An improved apparatus for holding whips and other articles."
Letters Patent sealed.

JOHNSON.
25th July 1864.

1847. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in safety valves."—*A communication to him from abroad by Felix Ménard, of Paris, in the Empire of France, Engineer.*
Letters Patent sealed.

RAMSDEN.
25th July 1864.

1848. JOHN CARTER RAMSDEN, of Bradford, in the County of York, Reed and Heald Manufacturer, for an invention for—"Improvements in reeds and healds used in weaving."
Letters Patent sealed.

JEFFREYS.
25th July 1864.

1849. JULIUS JEFFREYS, of Drymona, Upper Norwood, in the County of Surrey, for an invention for—"Improvements in climatic apparatus."
Letters Patent sealed.

RAVARD.
25th July 1864.

1850. JEAN PIERRE RAVARD, of No. 24, Rue de la Chaussée D'Antin, Paris, in the Empire of France, for an invention for—"Improvements in obtaining motive-power by successive and direct actions produced by the same current of high pressure steam."—*A communication to him from abroad by Louis Brunier, a person resident at Rue de la Charité, Lyons, in the Empire of France.*
Letters Patent sealed.

NEWTON.
25th July 1864.

1851. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for mowing and reaping."—*A communication to him from abroad by Valerian Ivanovitch Kirchner, of Petrowsk, in the Empire of Russia.*
Provisional protection only.

PEYTON.
25th July 1864.

1852. EDWARD PEYTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of cylinders or rollers of copper and copper alloy."
Letters Patent sealed.

LANSDOWN.
26th July 1864.

1853. GEORGE LANSDOWN, of No. 53, St. Augustine Road, Camden Square, N.W., in the County of Middlesex, Surveyor, for an invention for—"A method of providing a direct communication between any guard and any passenger in a railway train."
Letters Patent sealed.

HEATHORN.
26th July 1864.

1854. THOMAS BRIDGES HEATHORN, of 14, Saint James's Square, London, for an invention for—"Improvements in the construction of submarine and other foundations."
Letters Patent sealed.

DIXON.
26th July 1864.

1855. THOMAS DIXON, of the firm of Rabone, Brothers and Company, of Birmingham, in the County of Warwick, Merchants, for an invention for—"Improvements in sugar funnels or sugar moulds."—*A communication to him from abroad by Manuel Bea, of Matanzas, Island of Cuba.*
Letters Patent sealed.

BRITTEN.
26th July 1864.

1856. BASHLEY BRITTEN, of North Vale Lodge, Red Hill, in the County of Surrey, Gentleman, for an invention for—"Improvements in projectiles for rifled ordnance, and the method of manufacturing them."
Provisional protection only.

BONNEVILLE.
26th July 1864.

1857. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in feed apparatus for steam and other boilers, which improvements are also applicable to raising and forcing fluids."—*A communication from Gilles Deprez, a person resident at Seraing, in the Kingdom of Belgium.*
Letters Patent sealed.

LANG.
26th July 1864.

1858. JOSEPH LANG, of Bolton-le-Moors, in the County of Lancaster, Manager, for an invention for—"Certain improvements in apparatus for signalling on railways."
Provisional protection only.

LYNE.
26th July 1864.

1859. FREDERICK LEWIS LYNE, of South Lambeth, in the County of Surrey, for an invention for—"An arrangement or appliance applicable to cups, glasses, spoons and other drinking vessels or utensils, the same being specially applicable for the use of persons wearing mustaches."
Letters Patent sealed.

BEATTIE.
26th July 1864.

1860. JOSEPH HAMILTON BEATTIE, Civil Engineer, of No. 11, Dowgate Hill, London, for an invention for—"Improvements in the arrangement and construction of pumps."—*A communication to him from abroad by Joseph Marks, Engineer, of Montreal, Canada.*
Letters Patent sealed.

WYDLER. 26th July 1864.	1861. ALBERT WYDLER, of the Belfield Printing Works, near Rochdale, in the County of Lancaster, for an invention for—"Improvements in machinery and apparatus for drying and stretching woollen fabrics." <i>Letters Patent sealed.</i>
BODMER. 26th July 1864.	1862. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Patent Agent, for an invention for—"Certain improvements in self-acting mules, parts of which improvements are also applicable to looms for weaving and to other purposes."— <i>A communication to him from abroad by John Hegnauer, of Uster, in the Republic of Switzerland.</i> <i>Letters Patent sealed.</i>
FURNESS. SLATER. 26th July 1864.	1863. GEORGE FURNESS, of Great George Street, Westminster, Contractor, and JAMES SLATER, of Catherine Terrace, Lansdown Road, Lambeth, Engineer, for an invention for—"Improvements in the construction of dredging or excavating machines." <i>Letters Patent sealed.</i>
IRWIN. 26th July 1864.	1864. WILLIAM IRWIN, of Limerick, Ireland, for an invention for—"An improved compound for preventing incrustations in boilers." <i>Letters Patent sealed.</i>
SLATER. 26th July 1864.	1865. JAMES SLATER, of Catherine Terrace, Lansdown Road, Lambeth, in the County of Surrey, Engineer, for an invention for "Improvements in machinery for making bricks and tiles." <i>Letters Patent sealed.</i>
SCOTT. 26th July 1864.	1866. MICHAEL SCOTT, of No. 26, Parliament Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in constructing ships or vessels." <i>Letters Patent sealed.</i>
DALZELL. 26th July 1864.	1867. ALLEN DALZELL, Doctor of Medicine, of the University of Edinburgh, and Lecturer on Practical Chemistry in said University, Fellow of the Royal Society of Edinburgh, for an invention for—"Improvements in the manufacture of coloring matter applicable to dyeing and printing." <i>Provisional protection only.</i>
DICEY. 27th July 1864.	1868. WILLIAM DICEY, of Waltham Abbey, in the County of Essex, for an invention for—"An improved means of communication between railway guards or other attendants and passengers in railway trains." <i>Provisional protection only.</i>
ALEXANDER. 27th July 1864.	1869. ANDREW ALEXANDER, of Millwall, in the County of Middlesex, Engineer, for an invention for—"Improvements in firing or discharging and exploding missiles under water, and in constructing such missiles." <i>Provisional protection only.</i>
OLIVE. OLIVE. PARTINGTON. 27th July 1864.	1870. JOHN OLIVE, WILLIAM OLIVE, and EDWARD PARTINGTON, of the firm of Messieurs Olive, Brothers, and Partington, of Woolfold, near Bury, in the County of Lancaster, Paper Manufacturers, for an invention for—"Improvements in the manufacture of paper, and in the machinery and apparatus employed therein." <i>Provisional protection only.</i>
MACBRIDE. 27th July 1864.	1871. JOHN ALEXANDER PATERSON MACBRIDE, of Liverpool, in the County of Lancaster, Member of the Liverpool Academy of Fine Arts, for an invention for—"Improved means of and for raising or floating sunken or stranded ships or vessels." <i>Provisional protection only.</i>
COUCHMAN. 27th July 1864.	1872. RICHARD COUCHMAN, of Noble Street, Saint Martin's le Grand, in the City of London, Manufacturer, for an invention for—"Improvements in the construction of buckles, hooks, clasps or similar instruments for connecting and securing parts of dress or other articles together." <i>Letters Patent sealed.</i>
ANDERSON. 27th July 1864.	1873. WILLIAM ANDERSON, of Dublin, in the Kingdom of Ireland, Engineer, for an invention for—"Improved apparatus applicable to the working of moving parts of railway tracks, and of the signals connected therewith, and of other instruments required to be operated in a predetermined order." <i>Letters Patent sealed.</i>
WANOSTROCHT. 27th July 1864.	1874. VINCENT WANOSTROCHT, of No. 8, Lancaster Place, Strand, in the County of Middlesex, for an invention for—"Improvements in machinery for printing and perforating paper and fabrics, applicable particularly to the production of postage stamps, bank notes, bankers' cheques, bills of exchange and similar documents."— <i>A communication to him from abroad by Louis François Chezaud and Henry Jeremie Christen, persons resident in Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>

CHAMBEYRON.
27th July 1864.

1875. JEAN PIERRE CHAMBEYRON, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Gentleman, for an invention for—"Certain improvements in preventing the oxydation of iron and steel."
Letters Patent sealed.

CHAMBEYRON.
27th July 1864.

1876. JEAN PIERRE CHAMBEYRON, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Gentleman, for an invention for—"Certain improvements in the manufacture of steel."
Letters Patent sealed.

PRINCE.
27th July 1864.

1877. ALEXANDER PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in cocks, taps and valves."—*A communication to him from abroad by Johann Gottfried Bernhard Friedrich Stumpf, resident at Berlin, in the Kingdom of Prussia.*
Letters Patent sealed.

STANDISH.
27th July 1864.

1878. CHARLES WILLIAM STANDISH, of King's Road, Chelsea, in the County of Middlesex, Engineer Smith and Wire Worker, for an invention for—"A new self-acting apparatus for closing or shutting windows."
Provisional protection only.

HILEY.
28th July 1864.

1879. SAMUEL HILEY, of the firm of Samuel Hiley and Son, of Huddersfield, in the County of York, Merchants and Finishers, for an invention for—"Improvements in means or apparatus for finishing textile fabrics."
Provisional protection only.

BRIMSON.
28th July 1864.

1880. ELIZABETH BRIMSON, of Frome, in the County of Somerset, Spinster, for an invention for—"Improvements in envelopes or covers for bottles and jars."
Letters Patent sealed.

NEWSOME.
29th July 1864.

1881. JAMES NEWSOME, of Greenock, in the County of Renfrew, North Britain, Riding Master, for an invention for—"Improvements in apparatus for breaking horses."
Letters Patent sealed.

LIVESEY.
EDWARDS.
28th July 1864.

1882. JAMES LIVESEY, of 75, Cannon Street West, and JOHN EDWARDS, of 29, Basinghall Street, in the City of London, for an invention for—"Improvements in the permanent way of railways and carriages for the same."
Letters Patent sealed.

MOON.
28th July 1864.

1883. HENRY MOON, of Countesthorpe, in the County of Leicester, Engineer, for an invention for—"Improvements in machinery or apparatus for washing clothes or fabrics."
Letters Patent sealed.

MOORE.
29th July 1864.

1884. THOMAS MOORE, of 45, Eastcheap, in the City of London, for an invention for—"Improvements in tubular masts and spars, and in crutches for suspending ships' yards."
Provisional protection only.

SANDERS.
29th July 1864.

1885. RICHARD DAVID SANDERS, of Hatton, in the County of Warwick, Civil Engineer, for an invention for—"An improvement in slide valves."
Provisional protection only.

FREYSTADT.
29th July 1864.

1886. HERMANN FREYSTADT, carrying on business under the style or firm of Tueski and Company, Manufacturers, 42, Jewin Street, in the City of London, for an invention for—"Improvements in the manufacture of hats, caps, bonnets and other coverings for the head."
Provisional protection only.

COPE.
29th July 1864.

1887. JAMES COPE, of New North Street, Finsbury, in the County of Middlesex, Engineer, for an invention for—"Improvements applicable to fire-arms and ordnance for ascertaining the distance therefrom of objects to be fired at."
Letters Patent sealed.

REDMAN.
KIRKWOOD.
29th July 1864.

1888. RICHARD REDMAN, of Birmingham, in the County of Warwick, Gun Manufacturer, and DAVID KIRKWOOD, of the same place, Gun Filer, for an invention for—"Improvements in breech-loading fire-arms."
Provisional protection only.

NICKLIN.
29th July 1864.

1889. JOSEPH NICKLIN, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of hooks to be used for the suspension of curtains and various other purposes."
Letters Patent sealed.

ANDERTON.
29th July 1864.

1890. WILLIAM ANDERTON, of Cleckheaton, near Leeds, in the County of York, Worsted Spinner, for an invention for—"Improved machinery for preparing, spinning and doubling fibrous substances."
Letters Patent sealed.

FONTENAY.
29th July 1864.

1891. PROSPER EUGÈNE FONTENAY, of 82, Boulevard Sebastopol, Paris, in the Empire of France, Jeweller, for an invention for—"An improved pocket perfume fountain."
Letters Patent sealed.

WILSON. DE BERGUE. 29th July 1864.	1892. EDWARD BROWN WILSON, and CHARLES DE BERGUE, both of No. 10, Strand, in the City of Westminster, Civil Engineers, for an invention for—"Improvements in furnaces." <i>Provisional protection only.</i>
LONG. 29th July 1864.	1893. JAMES LONG, of Wellington Street, London, in the County of Middlesex, for an invention for—"Improved mechanism or arrangements for stopping or retarding railway and other carriages." <i>Provisional protection only.</i>
McEVoy. 30th July 1864.	1894. HENRY McEVoy, of Hall St. Works, Birmingham, in the County of Warwick, for an invention for—"Improvements in the apparatus or articles used in the game of croquet." <i>Letters Patent sealed.</i>
WILSON. 30th July 1864.	1895. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
DISTIN. 30th July 1864.	1896. HENRY JOHN DISTIN, of No. 9, Great Newport Street, Leicester Square, in the County of Middlesex, Musical Instrument Manufacturer, for an invention for—"Improvements in cornets and other musical wind instruments." <i>Letters Patent sealed.</i>
HEARSEY. 30th July 1864.	1897. JOHN FULLECK HEARSEY, of Park Place, Church Street, Brompton, in the County of Middlesex, Gentleman, for an invention for—"Improved apparatus for measuring liquids."— <i>A communication to him from abroad by Edward Payne, of Montreal, Canada.</i> <i>Letters Patent sealed.</i>
HUDDART. 30th July 1864.	1898. GEORGE AUGUSTUS HUDDART, of Brynkir, in the County of Carnarvon, Gentleman, for an invention for—"An improved manufacture of covered buttons." <i>Letters Patent sealed.</i>
SCHISCHKAR. SPEYER. 30th July 1864.	1899. EDWARD SCHISCHKAR, and CHARLES GEORGE SPEYER, Manufacturers, of 38, Rue d'Enghien, Paris, in the Empire of France, for an invention for—"Improvements in the formation of yarn for knickerbocker tissues." <i>Provisional protection only.</i>
PAYTON. STANLEY. 30th July 1864.	1900. WALTER PAYTON, of 9, Bedford Place, Commercial Road, London, E., and JOHN STANLEY, of 244, Whitechapel Road, London, for an invention for—"Improvements in fittings for suspending or otherwise supporting hats when not in use." <i>Letters Patent sealed.</i>
BOURNE. 30th July 1864.	1901. THEODORE BOURNE, of the City, County, and State of New York, United States of America, now residing at 34, Woburn Place, Russell Square, London, for an invention for—"Improvements in rollers for cotton gins and other machines."— <i>A communication to him from abroad by Franklin Hadley Lummus, of the City, County, and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
KISTEMANN. 30th July 1864.	1902. ALBERT KISTEMANN, of the City of London, Merchant, for an invention for—"Improvements in burners or apparatus applicable to lamps in which petroleum and such like oils are used."— <i>A communication from Richard Dittmar, a person resident at Vienna, in the Empire of Austria.</i> <i>Provisional protection only.</i>
CARTER. 30th July 1864.	1903. GEORGE CARTER, of Mottingham Lodge, near Eltham, in the County of Kent, Gentleman, for an invention for—"Improvements in the construction of caps or pots for the chimneys of dwelling houses and public buildings." <i>Provisional protection only.</i>
BEAUMONT. 30th July 1864.	1904. FREDERICK EDWARD BLACKET BEAUMONT, Captain, Royal Engineers, of Dover, in the County of Kent, for an invention for—"Improvements in machinery for driving drifts or galleries through stone or rock." <i>Letters Patent sealed.</i>
MOORE. 1st August 1864.	1905. PETER HOPWOOD MOORE, of Patricroft, near Manchester, in the County of Lancaster, Cotton Spinner, for an invention for—"Improved modes of adjusting the load contained in a drag or other two wheeled vehicle, to the back of the horse." <i>Letters Patent sealed.</i>
TATTERSALL. 1st August 1864.	1906. EDMUND TATTERSALL, of Grosvenor Place, in the County of Middlesex, for an invention for—"Improvements in effecting communications in railway trains between passengers and guard." <i>Letters Patent sealed.</i>

- O'CONNOR.
4th August 1864. 1937. BERNARD O'CONNOR, of the firm of B. O'Connor & Brother, of the City of Manchester, in the County of Lancaster, Manufacturers, for an invention for—"An improved method of making non-inflammable plain and twilled dyed cotton fabrics called jeannetts, beetle-twills, rolled shirtings, fancy and striped and spotted shirtings, and other cotton goods, printed or otherwise, used for lining dresses and making crinolines." *Letters Patent sealed.*
- SOUL.
4th August 1864. 1938. MATTHEW AUGUSTUS SOUL, of No. 3, Leadenhall Street, in the City of London, Patent Agent, for an invention for—"Improvements in fastenings for railway rails, applicable wholly or in part to other purposes."—*A communication to him from abroad by John Gregory, of Lisbon, in the Kingdom of Portugal, Civil Engineer.* *Letters Patent sealed.*
- ROZ.
4th August 1864. 1939. THÉODULE JOSEPH VITE ROZ, of Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in pianofortes and in key boards for pianofortes and similar instruments." *Complete specification ; Letters Patent sealed.*
- GÉRARD.
4th August 1864. 1940. GUSTAVE EUGÈNE MICHEL GÉRARD, of Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in apparatus for cutting sheets or bands of vulcanized india-rubber and other substances, into threads." *Complete specification ; Letters Patent sealed.*
- CRUICKSHANK.
4th August 1864. 1941. FRANCIS CRUICKSHANK, of Edinburgh, in the County of Mid-Lothian, North Britain, for an invention for—"Improvements in coatings for the prevention of the fouling of the bottoms of iron and other ships." *Letters Patent sealed.*
- RADCLIFFE.
RADCLIFFE.
4th August 1864. 1942. JAMES RADCLIFFE, of Hollinwood, and MAJOR RADCLIFFE, of Manchester, both in the County of Lancaster, Manufacturers, for an invention for—"Certain improvements in the manufacture of narrow fabrics, such as 'tapes,' 'webbings,' 'bands,' 'ribbons,' or other similar articles." *Letters Patent sealed.*
- GUTHRIE.
TRACEY.
4th August 1864. 1943. ALGERNON GUTHRIE, and THOMAS TRACEY, of Pentonville, in the County of Middlesex, Engineers, for an invention for—"Improvements in machinery for preparing cane." *Provisional protection only.*
- LONG.
4th August 1864. 1944. ALFRED LONG, of 3, Aylesbury Terrace, Walworth, in the County of Surrey, for an invention for—"Means or apparatus to facilitate the acquisition of languages, applicable also to obtaining various changes in musical combinations, and to other purposes of education, utility, amusement or diversion." *Letters Patent sealed.*
- GOTTHARD.
GARLAND.
4th August 1864. 1945. JAMES GOTTHARD, of Birmingham, in the County of Warwick, Merchant, and HERBERT GARLAND, of Birmingham, in the County of Warwick, Designer, for an invention for—"Improvements in the construction of furnace bars or gratings and other apparatus, for the removal of slag from furnaces." *Provisional protection only.*
- DRUCE.
4th August 1864. 1946. GEORGE FREDERICK DRUCE, of Victoria Street, in the City of Westminster, Esquire, for an invention for—"Improvements in the construction of anchors." *Letters Patent sealed.*
- THORNTON.
4th August 1864. 1947. FRANCIS THORNTON, of No. 2, Grosvenor Street, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in presses for pressing and packing cotton, wool, silk, hay, straw and similar substances." *Letters Patent sealed.*
- BRAMWELL.
4th August 1864. 1948. FREDERICK JOSEPH BRAMWELL, of Great George Street, Westminster, Civil Engineer, for an invention for—"Improvements in the manufacture of nuts for screw bolts and such like articles." *Letters Patent sealed.*
- PFLUGHAUPT.
4th August 1864. 1949. ADOLPH HERMANN ALVIN PFLUGHAUPT, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in producing color from aniline." *Letters Patent sealed ; no specification filed.*
- MARCHISIO.
4th August 1864. 1950. GIACOMO FELICE MARCHISIO, of No. 50, Baker Street, in the County of Middlesex, Gentleman, for an invention for—"An improved apparatus for generating inflammable air for illuminating and heating purposes, and supplying the same to the burners." *Letters Patent sealed.*

HEYDON. 5th August 1864.	1951. JOSEPH HEYDON, of Foleshill Foundry, Coventry, in the County of Warwick, Iron and Brass Founder, for an invention for—"Improvements in the means and apparatus for making the moulds in which metals are to be cast." <i>Letters Patent sealed.</i>
LEE. 5th August 1864.	1952. JAMES LEE, of Lightcliffe, near Halifax, in the County of York, Tanner, Currier and Leather Cutter, for an invention for—"Improvements in means, machinery or apparatus for working or preparing leather for mill-straps or driving belts and other purposes, and in the manufacture of such articles." <i>Letters Patent sealed.</i>
FARRELL. 5th August 1864.	1953. ISAAC FARRELL, of the City of Dublin, Ireland, Architect, for an invention for—"Improvements in railway carriages and in breaks for the same." <i>Letters Patent sealed.</i>
HENRY. 5th August 1864.	1954. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the method of and apparatus for manufacturing cylinders, pipes, tubes and similar articles."— <i>A communication to him from abroad by Victor Henry Sophie Frederic Gueldry, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
TAYLOR. 6th August 1864.	1955. WILLIAM ROWLAND TAYLOR, of the City of Oxford, Brewer, for an invention for—"Improvements in casks for wine, spirits, beer and other liquids, and in implements to be used for inserting pegs in casks, or removing shives and bungs therefrom." <i>Letters Patent sealed.</i>
LEYSHON. 6th August 1864.	1956. GEORGE LEYSHON, of Burnt Tree, near Tipton, in the County of Stafford, Tin Plate Assorter, for an invention for—"Improvements in the manufacture of tin and terne plates, and in machinery or apparatus to be used in the said manufacture." <i>Letters Patent sealed.</i>
HOTTIN. 6th August 1864.	1957. EDOUARD HOTTIN, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, for an invention for—"Certain improvements in rendering unflammable cotton, silk and other textile fabrics." <i>Provisional protection only.</i>
STOTT. 6th August 1864.	1958. WILLIAM STOTT, of the firm of Ely Smith & Co., of Greetland, near Halifax, in the County of York, Woollen Manufacturer, for an invention for—"An improvement in certain woollen fabrics called army cloths." <i>Provisional protection only.</i>
EDMONDSON. 6th August 1864.	1959. RICHARD EDMONDSON, of the firm of Brook and Edmondson, of Bank Top Mill, Blackburn, in the County of Lancaster, Manufacturers, for an invention for—"Improvements in healds for weaving." <i>Letters Patent sealed.</i>
LANCASTER. 6th August 1864.	1960. CHARLES WILLIAM LANCASTER, of New Bond Street, in the County of Middlesex, Gun Manufacturer, for an invention for—"Improvements in projectiles." <i>Letters Patent sealed.</i>
COLES. 6th August 1864.	1961. COWPER PHIPPS COLES, of Southsea, in the County of Hants, Captain in the Royal Navy, for an invention for—"Improvements in the construction of ships of war." <i>Provisional protection only.</i>
BARTLEY. 6th August 1864.	1962. CHARLES BARTLEY, of No. 4, Lawn Villas, Blackheath, in the County of Kent, Master Mariner, for an invention for—"Improvements in compositions for preventing the bottoms of iron ships from fouling or corroding." <i>Letters Patent sealed.</i>
McHAFFIE. 6th August 1864.	1963. NEIL McHAFFIE, of Broad Street, Mile End, Glasgow, Iron Founder, for an invention for—"Improvements in treating iron plates for shipbuilding, boiler making and similar uses, and also wrought iron in other forms, to render it capable of resisting oxidation or destruction by sea and other water, and atmospheric and other corroding influences." <i>Letters Patent sealed.</i>
BROOKES. 6th August 1864.	1964. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in furnaces to facilitate the consumption of smoke."— <i>A communication to him from abroad by Felix Maurice Antoine Picard, of Lyons, in the Empire of France, Engineer.</i> <i>Provisional protection only.</i>

COUSINS. 6th August 1864.	1965. SIDNEY LESLIE COUSINS, Bachelor of Arts, Chaplain in the Royal Navy, of H.M.S. "Duke of Wellington," and Ryde View, Osborne Road, Southsea, both at Portsmouth, in the County of Hampshire, for an invention for—"Improvements in the construction and propulsion of boats, applicable to their conveyance either on shore or afloat." <i>Provisional protection only.</i>
NOWELL. 8th August 1864.	1966. GEORGE AUGUSTUS NOWELL, of Nuneaton, in the County of Warwick, for an invention for—"Improvements in apparatus for pumping water and other fluids." <i>Complete specification; Letters Patent sealed.</i>
COLLINS. POUNTNEY. 8th August 1864.	1967. WILLIAM COLLINS, of Birmingham, in the County of Warwick, Gun Manufacturer, and WILLIAM POUNTNEY, of Birmingham, aforesaid, Gun Manufacturer, for an invention for—"An improvement or improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
RUNKEL. 8th August 1864.	1968. MARK RUNKEL, formerly of Centre Street, New York, United States of America, but at present residing at 54, Regent Street, Quadrant, in the County of Middlesex, Engineer, for an invention for—"An improved automatical regulator for marine steam-engines." <i>Provisional protection only.</i>
GEDGE. 8th August 1864.	1969. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved caster." <i>A communication to him from abroad by Charles Narcisse Drevelle, of 39, Faubourg Saint Martin, Paris, France. Letters Patent sealed.</i>
JOHNSON. 8th August 1864.	1970. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for cooking eggs." <i>A communication to him from abroad by Edouard Prosper Malaport, of Paris, in the Empire of France. Letters Patent sealed.</i>
YOUNG. 8th August 1864.	1971. LUTHER YOUNG, of No. 47, Bow Lane, Cheapside, in the City of London, for an invention for—"Improvements in cocks for supplying water." <i>Letters Patent sealed.</i>
LESSWARE. 8th August 1864.	1972. JOHN LESSWARE, of Great Alie Street, in the County of Middlesex, Copper-smith, for an invention for—"Improvements in ball valves for drawing off condensed water in steam apparatus." <i>Provisional protection only.</i>
DUJARDIN. 8th August 1864.	1973. PIERRE ANTOINE JOSEPH DUJARDIN, of 29, Boulevard St. Martin, Paris, in the Empire of France, Physician, for an invention for—"Improvements in electric telegraphs." <i>Letters Patent sealed.</i>
CASHIN. 9th August 1864.	1974. THOMAS FREDERICK CASHIN, of Sheffield, in the County of York, Civil Engineer, for an invention for—"Improved means of communication between the passengers, guard and driver of a railway train in motion." <i>Provisional protection only.</i>
CROOK. CROOK. 9th August 1864.	1975. EDWIN CROOK, and FREDERICK CROOK, both of Carnaby Street, in the County of Middlesex, Manufacturing Ironmongers and Brass Founders, for an invention for—"Improvements in the construction of brackets for supporting banner screens, reading desks and other articles." <i>Letters Patent sealed.</i>
SPEIRS. BOYD. AITKEN. GILMOUR. 9th August 1864.	1976. DAVID SPEIRS, Manufacturer, ALEXANDER BOYD, Pattern Maker, JOHN AITKEN, Weaver, and MATTHEW GILMOUR, Smith, all of Paisley, in the County of Renfrew, North Britain, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
RICHARDS. 9th August 1864.	1977. WILLIAM RICHARDS, of 16, River Street, Myddelton Square, in the County of Middlesex, for an invention for—"Improvements in measuring the passage of liquids and in apparatus employed therein." <i>Letters Patent sealed.</i>
PAYNE. 9th August 1864.	1978. MARK PAYNE, of Thrapstone, in the County of Northampton, Engineer, for an invention for—"An improved construction of traction engine." <i>Letters Patent sealed.</i>
TURNER. 9th August 1864.	1979. ARCHIBALD TURNER, of Leicester, Elastic Web Manufacturer, for an invention for—"Improvements in apparatus for enabling the passengers in a railway train to communicate with the engine driver and guard, and the guard and driver with each other, while the train is in motion." <i>Letters Patent sealed.</i>

NORTON. AINSWORTH. 9th August 1864.	1980. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, and WILLIAM AINSWORTH, of Stockport, in the County of Chester, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only</i>
CLARK. 9th August 1864.	1981. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of producing ornamentation on porcelain, glass, metal and other surfaces."— <i>A communication to him from abroad by Frédéric Kuhlmann, Professor, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 9th August 1864.	1982. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of india-rubber balls and other elastic recipients, and in the valves applied to the same."— <i>A communication to him from abroad by Alexandre Marie Quinet, Photographic Chemist, and Achille Baudouin, Manufacturer, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
PRATT. 10th August 1864.	1983. JOHN PRATT, of Centre (Cherokee County) Alabama, in the United States of America, at present residing at No. 16, College Place, Camden Town, in the County of Middlesex, Gentleman, for an invention for—"An improved "typograph" or type-writing machine for reporting and other purposes." <i>Provisional protection only.</i>
MASON. 10th August 1864.	1984. WILLIAM MASON, of Leeds, in the County of York, Corn Factor, for an invention for—"Improvements in machinery or apparatus for cleaning cotton or other seeds." <i>Provisional protection only.</i>
GRICE. 10th August 1864.	1985. JOHN GRICE, the younger, of Birmingham, in the County of Warwick, Coach Smith, for an invention for—"Improvements in folding carriage steps." <i>Letters Patent sealed.</i>
DAVIES. 10th August 1864.	1986. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in steam-boilers or generators."— <i>A communication to him from abroad by Hippolyte Jean Adrien Holagray, of Paris, in the Empire of France, Iron Manufacturer.</i> <i>Provisional protection only.</i>
HASELTINE. 10th August 1864.	1987. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved spring tension regulator."— <i>A communication to him from abroad by Thomas Silver, of the City, County, and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
ARMISTEAD. 10th August 1864.	1988. HENRY ARMISTEAD, of Ovenden, near Halifax, in the County of York, Spinner and Manufacturer, for an invention for—"Improvements in dyeing and sizing or preparing warps for weaving." <i>Letters Patent sealed.</i>
JOHNSON. 10th August 1864.	1989. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in gilding glass and vitreous surfaces."— <i>A communication to him from abroad by Edouard Dodé, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
PEPPER. BARR. 10th August 1864.	1990. ROBERT PEPPER, and ALLAN BARR, of Cranworth Road, Sheffield, in the County of York, Clerks, for an invention for—"An improved passenger safety signal for railway carriages and other purposes." <i>Provisional protection only.</i>
DANNATT. 10th August 1864.	1991. ROBERT DANNATT, of Great Waltham, in the County of Essex, Farmer, for an invention for—"Improvements in apparatus for cultivating land." <i>Provisional protection only.</i>
BROOMAN. 10th August 1864.	1992. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in lever machines for obtaining and applying motive-power."— <i>A communication to him from abroad by Cesar Brodelet, of Paris, France.</i> <i>Provisional protection only.</i>
MATHEW. 10th August 1864.	1993. BROWNLOW HUGH MATHEW, of Saint James', in the County of Middlesex, Lieutenant Royal (Bombay) Engineers, for an invention for—"Improvements in fire-arms and ordnance, and in cartridges." <i>Provisional protection only.</i>
LOWE. 10th August 1864.	1994. CHARLES LOWE, of Bradford Road, South Bradford, near Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of colouring matters." <i>Letters Patent sealed.</i>

- RUSSELL.**
11th August 1864. 1995. JAMES RUSSELL, of Motherwell, in the County of Lanark, North Britain, Engineer and Boiler Maker, for an invention for—"Improvements in apparatus for rimming, widening or fairing rivet holes." *Letters Patent sealed.*
- EDWARDS.**
11th August 1864. 1996. RICHARD DOWNES EDWARDS, of No. 1, Bishopsgate Street Within, in the City of London, for an invention for—"A new or improved method of cleansing and treating cotton-seed." *Letters Patent sealed.*
- LANG.**
11th August 1864. 1997. JOSEPH LANG, of Bolton-le-Moors, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in apparatus for securing rails on the permanent way of railways." *Letters Patent sealed.*
- CHILDS.**
11th August 1864. 1998. AUGUSTUS BRYANT CHILDS, of 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"An improved clipper mowing machine."—*A communication to him from abroad by Richard Lamb Allen, of New York, United States of America.* *Letters Patent sealed.*
- NEWTON.**
11th August 1864. 1999. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of printing type."—*A communication to him from abroad by John Joseph Charles Smith, of Philadelphia, in the State of Pennsylvania, United States of America.* *Letters Patent sealed and specification filed by order.*
- MILBANK.**
11th August 1864. 2000. JAMES MILBANK, of Chelmsford, in the County of Essex, Gentleman, for an invention for—"Improvements in hot water apparatus for heating conservatories and other buildings or apartments." *Letters Patent sealed.*
- BROOMAN.**
11th August 1864. 2001. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new method of producing luminous placards, signals and advertisements."—*A communication to him from abroad by Jean Baptiste Trouillot, of Lons le Saunier, and Alexandre Chavet, of Paris, France.* *Provisional protection only.*
- LANG.**
11th August 1864. 2002. PETER LANG, of Tuilerie Street, Hackney Road, Boot and Shoe Manufacturer, for an invention for—"An improved knife for cutting the clamps of boots and shoes." *Provisional protection only.*
- ADAM.**
WEBB.
MONTEIRO.
11th August 1864. 2003. JOHN ADAM, and JOHN WEBB, both of 4, Lawrence Pountney Hill, in the City of London, Merchants, and JOACHIM JOHN MONTEIRO, of 29, Harewood Square, in the County of Middlesex, for an invention for—"Improvements in the application and in the preparation of certain fibres for the production of paper and textile fabrics." *Letters Patent sealed.*
- HEMMING.**
11th August 1864. 2004. SAMUEL CHARLES HEMMING, of Moorgate Street, E.C., for an invention for—"Improvements in the permanent way of railways." *Provisional protection only.*
- PETHER.**
12th August 1864. 2005. HENRY PETHER, of No. 6, Trigon Road, Clapham Road, in the County of Surrey, Artist, for an invention for—"An improved form of block of burnt clay, stone, wood or other material, for the construction of arches, floors or pavements." *Provisional protection only.*
- BRENTON.**
12th August 1864. 2006. WILLIAM BRENTON, of Polbathic, in the County of Cornwall, Manufacturer, for an invention for—"Improvements in reaping-machines." *Letters Patent sealed.*
- ALISON.**
SHAW.
12th August 1864. 2007. ALEXANDER ALISON, of Queen Street Place, Cannon Street, in the County of Middlesex, Gentleman, and JOHN SHAW, of Smithfield, in the same County, Railway Contractor, for an invention for—"Improved elevators for raising water and minerals from collieries and mines and for other purposes." *Letters Patent sealed.*
- HASELTINE.**
12th August 1864. 2008. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in churns."—*A communication to him from abroad by Thomas Arnold Jebb, of Buffalo, New York, United States of America.* *Letters Patent sealed.*
- DYER.**
12th August 1864. 2009. HUGH DYER, of Liverpool, in the County of Lancaster, General Foreman Bricklayer to Messrs. Holme and Nicol, of Liverpool, aforesaid, General Contractors and Builders, for an invention for—"Improvements applicable to chimney-tops and ventilators, and apparatus for cleaning the same and flues generally." *Letters Patent sealed.*

DAVIES. 12th August 1864.	2010. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines."— <i>A communication to him from abroad by Abraham Hart, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
WILLIAMS. 12th August 1864.	2011. ALFRED HAMLYN WILLIAMS, of Fenchurch Street, in the City of London, Travelling Bag Manufacturer, for an invention for—"An improved holder for cartridges." <i>Provisional protection only.</i>
BROWN. 12th August 1864.	2012. MATTHEW BROWN, of New Mills, in the County of Derby, Joiner and Builder, for an invention for—"Improvements in apparatus for washing and cleansing yarns, woven fabrics, articles of clothing and fibrous substances, which apparatus is also applicable for 'milling' woven fabrics." <i>Letters Patent sealed.</i>
LINDSAY. 12th August 1864.	2013. JOHN PARKER LINDSAY, of the City and County of New Haven, State of Connecticut, United States of America, for an invention for—"Improvements in locks for fire-arms." <i>Provisional protection only.</i>
PECK. 12th August 1864.	2014. MILO PECK, of the City and County of New Haven, State of Connecticut, United States of America, Machinist, for an invention for—"An improvement in the manufacture of patched balls for fire-arms." <i>Provisional protection only.</i>
HUXLEY. 13th August 1864.	2015. JOHN HOLDEN HUXLEY, of Bermondsey, in the County of Surrey, for an invention for—"Improvements in projectiles." <i>Provisional protection only.</i>
TUCKER. 13th August 1864.	2016. HENRY CHARLES TUCKER, of Hailsham, in the County of Sussex, Builder, for an invention for—"Improvements in chimney-pieces." <i>Provisional protection only.</i>
JONES. 13th August 1864.	2017. WILLIAM JONES, of 246, High Holborn, in the County of Middlesex, Machinist, for an invention for—"Improvements in machines or presses for stamping or embossing paper or other substances." <i>Provisional protection only.</i>
ANDRIES. 13th August 1864.	2018. EDOUARD ANDRIES, of Schaerbeek, near Brussels, in the Kingdom of Belgium, Plumber, for an invention for—"Improvements in means or apparatus for purifying every kind of water and rendering it drinkable, and for rendering sea water fresh and drinkable." <i>Letters Patent sealed.</i>
RICHARDSON. 13th August 1864.	2019. WILLIAM RICHARDSON, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in rollers for cotton gins." <i>Letters Patent sealed.</i>
BEDSON. 13th August 1864.	2020. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager of Iron Works, for an invention for—"Improvements in 'spinning' or twisting wire for fencing and other purposes." <i>Letters Patent sealed.</i>
BUFFONI. 13th August 1864.	2021. JEAN BAPTISTE BUFFONI, of Soho Square, in the County of Middlesex, Jeweller, for an invention for—"Improvements in the manufacture of bracelets, chains, rings and other articles of jewellery, and in apparatus for the same." <i>Letters Patent sealed.</i>
HODGART. 13th August 1864.	2022. JOHN HODGART, of Paisley, for an invention for—"Improvements in presses for pressing cotton and other substances." <i>Letters Patent sealed.</i>
DILKES. TURNER. 13th August 1864.	2023. JAMES DILKES, of Welford Place, Manufacturer, and EDWARD TURNER, of Watt's Causeway, Whitesmith, both in Leicester, for an invention for—"Improvements in apparatus for facilitating communications between passengers, guards and drivers travelling by railway trains." <i>Letters Patent sealed.</i>
COX. 13th August 1864.	2024. WILLIAM HINKES COX, of Brockwell House, Dulwich, in the County of Surrey, for an invention for—"Improvements in guns." <i>Letters Patent sealed.</i>
PILLINER. HILL. 13th August 1864.	2025. ALFRED COLERICK PILLINER, Civil Engineer, and JAMES CHARLES HILL, Iron Master, both of Oakfields Works, near Newport, Monmouthshire, for an invention for—"Improvements in obtaining motive-power, which improvements are applicable to measuring, raising and forcing fluids." <i>Letters Patent sealed.</i>
MONTETH. 13th August 1864.	2026. ROBERT THOMSON MONTETH, of Saint Malo, in the Empire of France, Gentleman, for an invention for—"Improvements in preserving eggs." <i>Provisional protection only.</i>

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| <p>CORDNER.
13th August 1864.</p> <p>CHILDS.
15th August 1864.</p> <p>MOORE.
15th August 1864.</p> <p>BROOMAN.
15th August 1864.</p> <p>BROOMAN.
15th August 1864.</p> <p>COLLINS.
COLLINS.
15th August 1864.</p> <p>PONTIFEX.
15th August 1864.</p> <p>HOEHL.
BRAKELL.
GÜNTHER.
15th August 1864.</p> <p>MORGAN.
16th August 1864.</p> <p>YULE.
16th August 1864.</p> <p>DOVE.
16th August 1864.</p> <p>MILLIGAN.
16th August 1864.</p> <p>DARCAGNE.
16th August 1864.</p> <p>NEWTON.
16th August 1864.</p> | <p>2027. RICHARD CORDNER, of Crawlaw House, near Stanhope, in the County of Durham, Contractor, for an invention for—"An improved railway sleeper."
<i>Provisional protection only.</i></p> <p>2028. AUGUSTUS BRYANT CHILDS, of 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in machines for ploughing or cultivating land."—<i>A communication to him from abroad by Zenas Cobb, of Chicago, Illinois, in the United States of America.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>2029. SIEGMUND MOORE, of Liverpool Street, Bishopsgate Street, in the City of London, for an invention for—"Improvements in electro-gilding."
<i>Letters Patent sealed.</i></p> <p>2030. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved aerostatic machine."—<i>A communication to him from abroad by Charles Edmond François Couturier, of Paris, France.</i>
<i>Provisional protection only.</i></p> <p>2031. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of cast steel."—<i>A communication to him from abroad by François Marie Emilie Martin and Pierre Martin, of Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>2032. SIDNEY COLLINS, and CHARLES COLLINS, both of Broad Street, Lambeth, in the County of Surrey, for an invention for—"An improved method of producing silk floss adapted for being woven and spun into articles of use."
<i>Letters Patent sealed.</i></p> <p>2033. EDMUND ALFRED PONTIFEX, of Shoe Lane, in the City of London, Engineer, for an invention for—"Improvements in treating stick lac when manufacturing shell lac and lac dye."—<i>A communication to him from abroad by Thomas Frederick Henley, a person resident at No. 37, Boulevard Malesherbes, Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>2034. WILLIAM HOEHL, CHRISTOPHER BRAKELL, and WILLIAM GÜNTHER, of the North Moor Foundry Company, Oldham, in the County of Lancaster, for an invention for—"Improvements in machinery for opening, cleaning and ginning cotton."—<i>Partly a communication from abroad by Albert Westfeld, of Smyrna, Asia Minor, and partly their own invention.</i>
<i>Provisional protection only.</i></p> <p>2035. THOMAS MORGAN, of No. 9, North Road, New Cross, in the County of Surrey, Civil Engineer, for an invention for—"Improved means of communication in railway trains between passenger and guard, and guard and engine driver, or otherwise."
<i>Provisional protection only.</i></p> <p>2036. WILLIAM YULE, of St. Petersburg, in the Empire of Russia, Engineer, at present residing at Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in rolling mills and in couplings for the same and for other machines."
<i>Letters Patent sealed.</i></p> <p>2037. WILLIAM DOVE, Principal of the Commercial College, Ripponden, near Halifax, in the County of York, for an invention for—"Improvements in applying water marks in paper."
<i>Letters Patent sealed.</i></p> <p>2038. WILLIAM MILLIGAN, of Bradford, in the County of York, Merchant, for an invention for—"An apparatus for communicating motion from one railway carriage to another in a train, applicable for signalling between passengers, guard and driver, fastening and unfastening the carriage doors, working the breaks and other purposes."
<i>Provisional protection only.</i></p> <p>2039. CHARLES FRANÇOIS DARCAGNE, of Upper Thames Street, in the City of London, for an invention for—"A new mode of treating or preparing the sorgho plant (<i>Holcus Sorghum</i>) so as to render the fibre thereof useful in manufactures as a substitute for horse hair and otherwise."
<i>Letters Patent sealed.</i></p> <p>2040. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing machinery."—<i>A communication to him from abroad by Walter Bennett, of the City and State of New York, in the United States of America.</i>
<i>Letters Patent sealed.</i></p> |
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STONEY. 16th August 1864.	2041. BINDON BLOOD STONEY, of the City of Dublin, Ireland, Civil Engineer, for an invention for—"Improvements in the construction of submarine works, and in the apparatus to be employed therein, the same being also applicable to the raising and transporting of heavy bodies." <i>Letters Patent sealed.</i>
HODGSON. 17th August 1864.	2042. GEORGE HODGSON, of Wickcliffe, Cleckheaton, in the County of York, Mechanic, for an invention for—"Improvements in hand drilling apparatus, adaptable also as a vice and for lifting purposes." <i>Provisional protection only.</i>
DE FONTAINE MOREAU. 17th August 1864.	2043. PETER ARMAND LE COMTE DE FONTAINE MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in the process of preserving animal and vegetable alimentary substances."— <i>A communication from Monsieur François Xavier Escofet, a person resident at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
DALZIEL. 17th August 1864.	2044. WILLIAM DALZIEL, of Deptford, in the County of Kent, Brass Founder, for an invention for—"Improved apparatus for regulating the pressure and supply of gases or elastic fluids." <i>Letters Patent sealed.</i>
TURNER. 17th August 1864.	2045. THOMAS TURNER, of Manchester, in the County of Lancaster, Foreman Tailor, for an invention for—"Improvements in communicating between one part of a railway train and another part thereof." <i>Provisional protection only.</i>
COLES. JAQUES. FANSHAWE. 17th August 1864.	2046. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, JAMES ARCHIBALD JAQUES, of Tottenham, in the County of Middlesex, Chemist, and JOHN AMERICUS FANSHAWE, of the same place, Engineer, for an invention for—"Improvements in the manufacture of tubular and hollow articles." <i>Letters Patent sealed.</i>
TREGASKIS. 18th August 1864.	2047. THOMAS PHILIP TREGASKIS, of Perran-ar-Worthal, Cornwall, for an invention for—"The improved use of magnets in overbalancing weights." <i>Provisional protection only.</i>
WILSON. 18th August 1864.	2048. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms, and in converting breech-loading into muzzle-loading fire-arms." <i>Letters Patent sealed.</i>
CLARK. 18th August 1864.	2049. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for transmitting motion and power from one part of a railway train to another, for the purpose of effecting communication between the passengers and guard or otherwise, and for operating the brakes."— <i>A communication to him from abroad by Adrien Cabarrus, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
PARKES. 18th August 1864.	2050. JOHN JOSEPH PARKES, of London Street, Paddington, in the County of Middlesex, Bell Hanger and Gas Engineer, for an invention for—"Improvements in the application of gas and other fluids or liquids for lighting and other purposes, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
YVOSE-LAURENT. 18th August 1864.	2051. LEWINSKI YVOSE-LAURENT, of No. 17, Rue Neuve Popincourt, Paris, Impervious Cart and Waggon Tilt Manufacturer, for an invention for—"An improved military outfit for soldiers in campaign, intended to protect the men, their provisions and ammunitions against dampness and rain, and also for several other useful purposes." <i>Complete specification; Letters Patent sealed.</i>
COTTON. 18th August 1864.	2052. CHARLES COTTON, of La Valette Grouville, Jersey, Gentleman, for an invention for—"Improvements in railway carriages to facilitate the communication of passengers from carriage to carriage of a railway train." <i>Provisional protection only.</i>
THOMAS. 18th August 1864.	2053. WILLIAM THOMAS, of Coventry, in the County of Warwick, Woollen Draper, for an invention for—"Improvements in effecting communication between passengers and guard or other person in charge of railway trains." <i>Provisional protection only.</i>
SWIFT. 18th August 1864.	2054. FERDINANDO SWIFT, of Manchester Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of axles and axleboxes." <i>Provisional protection only.</i>

- DÉSUMEUR.**
18th August 1864.
2055. JEAN CHRYSOSTOME DÉSUMEUR, of Guise, in the Department of the Aisne, France, Ironfounder, for an invention for—"An improved spring mattress."—*Partly a communication from Napoleon Prazel, of Guise, in the Department of the Aisne, France, a Mechanician, and partly an invention and discovery made by him.*
Provisional protection only.
- GRANTHAM.**
19th August 1864.
2056. JOHN GRANTHAM, of 17, King's Arms Yard, Coleman Street, in the City of London, Consulting Engineer, for an invention for—"Improvements in apparatus connected with machinery used in manufacturing compressed fuel."
Provisional protection only.
- WALDENSTRÖM.**
19th August 1864.
2057. ERIC HUGO WALDENSTRÖM, of Manchester, in the County of Lancaster, Mechanical Draughtsman, for an invention for—"Certain improvements in machinery or apparatus to be employed in the manufacture of metallic 'nuts.'"
Letters Patent sealed.
- ALBRECHT.**
19th August 1864.
2058. CHARLES EDMUND ALBRECHT, of Portsdown Road, Maida Hill, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for the admission, exclusion and regulation of gas supplied to dwelling-houses and other structures."
Provisional protection only.
- BURTON.**
19th August 1864.
2059. BETHEL BURTON, of the City of Brooklyn, in the State of New York, America, at present residing with Messieurs Alexander Bell and Son, No. 8, Finch Lane, London, E.C., for an invention for—"Improvements in breech-loading and revolving fire-arms and cannon, and metallic cartridges."
Complete specification: Letters Patent sealed.
- PARKES.**
19th August 1864.
2060. HENRY PARKES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of colours for dyeing, printing and other uses."
Letters Patent sealed.
- UNDERHAY.
HEYWORTH.**
19th August 1864.
2061. FREDERICK GEORGE UNDERHAY, of Crawford Passage, Clerkenwell, in the County of Middlesex, Engineer, and ROBERT HEYWORTH, junior, of Faulkner Street, Manchester, in the County of Lancaster, Plumber, for an invention for—"Improvements in apparatus used to regulate the supply of water to water-closets, wash hand basins and urinals."
Letters Patent sealed.
- KREUZ.**
19th August 1864.
2062. FRIEDERICH KREUZ, of Barmen, in the Kingdom of Prussia, and of Cannon Street, in the City of London, for an invention for "Improvements in the manufacture of crinolines, dresses, mantles and other such like articles of wearing apparel."
Letters Patent sealed and specification filed by order.
- THOMSEN.**
19th August 1864.
2063. JULIUS THOMSEN, of Copenhagen, in the Kingdom of Denmark, Professor of Chemistry, for an invention for—"Improvements in batteries for generating electricity, and in apparatus for converting the quantity thereof into intensity."
Letters Patent sealed.
- DAVIES.**
20th August 1864.
2064. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in submarine shells or torpedoes, and in apparatus for operating the same."—*A communication to him from abroad by Donald McKay, of East Boston, in the State of Massachusetts, United States of America.*
Letters Patent sealed.
- WHITE.**
20th August 1864.
2065. JOHN GARROD WHITE, of Bayham Street, in the County of Middlesex, for an invention for—"New or improved mechanical arrangements for propelling ships or vessels."
Provisional protection only.
- HARTSHORN.
REDGATE.**
20th August 1864.
2066. JAMES HARTSHORN, of the Mansfield Road, Nottingham, Lace Manufacturer, and WILLIAM REDGATE, of Nottingham, Draughtsman, for an invention for—"Improvements in means or apparatus for the manufacture of fabric in lace machinery."
Provisional protection only.
- WALKER.**
20th August 1864.
2067. JOHN WALKER, of 17, Cowper Street, City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in ships of war and batteries, and in mounting, working and covering guns to be used therein."
Letters Patent sealed.

FEICHTINGER. 22nd August 1864.	2068. FRANZ FEICHTINGER, of No. 7, Montague Place, Islington, in the County of Middlesex, for an invention for—"An improved method of preventing damp, insects and vermin from entering dwelling-houses, walls and other erections or buildings." <i>Letters Patent sealed and specification filed by order.</i>
WILSON. 22nd August 1864.	2069. HENRY WILSON, of Stockton upon Tees, in the County of Durham, for an invention for—"Improvements in water-closets, which are also applicable to ships' scuppers, sluice valves and throttle valves." <i>Provisional protection only.</i>
GEDGE. 22nd August 1864.	2070. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved overcoat."— <i>A communication to him from abroad by Louis Baptiste Varlet, of the Rue Saint Lazare, Paris, France, Merchant Tailor.</i> <i>Provisional protection only.</i>
HARRISON. 22nd August 1864.	2071. CHARLES WEIGHTMAN HARRISON, of Manchester, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
TAYLOR. 22nd August 1864.	2072. FRANCIS TAYLOR, of Romsey, in the County of Hants, for an invention for—"Improvements in apparatus for receiving, drying and deodorizing human excrement." <i>Letters Patent sealed.</i>
ALLAN. 22nd August 1864.	2073. JAMES ALLAN, of Dundee, in the County of Forfar, North Britain, Machinist, for an invention for—"An improved adhesive mixture." <i>Letters Patent sealed.</i>
BARWICK. HARTLEY. 23rd August 1864.	2074. BRICE WILKINSON BARWICK, and WILLIAM HARTLEY, both of Keighley, in the County of York, for an invention for—"Improvements in spinning machinery." <i>Letters Patent sealed.</i>
WRAY. ROBINSON. 23rd August 1864.	2075. THOMAS WRAY, of Darlington, in the County of Durham, Millwright, and RICHARD ROBINSON, of the same place, Clerk, for an invention for—"Improvements in apparatus to facilitate communication between passengers, guards and engine drivers travelling by railway trains." <i>Provisional protection only.</i>
BOGGIO. 23rd August 1864.	2076. GERIN GABRIEL BOGGIO, of Paris, in the Empire of France, Gentleman, for an invention for—"A new or improved process for extracting the oil contained in the flour of oleaginous seeds, for distilling, rectifying and evaporating volatile substances, for preparing volatile oils or essences and extracts, for dyeing and medical purposes, for dessicating animal and vegetable alimentary substances, plants, roots and flowers, and for ventilating." <i>Complete specification; Letters Patent sealed.</i>
BLACK. 23rd August 1864.	2077. ROBERT MACLEAN BLACK, of Glasgow, in the County of Lanark, North Britain, Commission Merchant, for an invention for—"Improvements in wrenches or screw keys." <i>Letters Patent sealed.</i>
CLEVELAND. 23rd August 1864.	2078. THOMAS HENRY CLEVELAND, of Leicester, Newspaper Proprietor, for an invention for—"Improvements in means or apparatus for signalling between passengers and guards or other persons in charge of railway trains." <i>Provisional protection only.</i>
GRISDALE. 23rd August 1864.	2079. JOHN EDWIN GRISDALE, of 25, Cranbourne Street, in the County of Middlesex, Photographer, for an invention for—"Improvements in apparatus for washing photographic prints." <i>Letters Patent sealed.</i>
BROOMAN. 23rd August 1864.	2080. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for winding, unwinding and paying out telegraph cables, applicable also to winding and unwinding cords, ropes and wires."— <i>A communication to him from abroad by Arthur Nicolas Georges Bigant, of Paris, Elie Gabriel de Fornier de Carles de Pradines, of Lorient, and Adolphe Surcau, of Quimper, all in the Empire of France.</i> <i>Provisional protection only.</i>
BROWN. 23rd August 1864.	2081. DAVID SHAW BROWN, of Runcorn, in the County of Chester, Manager, for an invention for—"Improvements in the manufacture of lint and in machinery employed therein." <i>Provisional protection only.</i>
PARSONS. 23rd August 1864.	2082. GEORGE PARSONS, of Martock, in the County of Somerset, Engineer, for an invention for—"Improvements in machines for seeding and breaking flax." <i>Letters Patent sealed.</i>

- FARMER.
24th August 1864. 2083. JOHN STINSON FARMER, of the firm of Saxby and Farmer, of Canterbury Road, Kilburn, W., Railway Signal Manufacturers, for an invention for—"Improvements in the construction of railway signals, and in improved means of signalling between passengers and guards of railway trains." *Provisional protection only.*
- FORD.
24th August 1864. 2084. ALFRED FORD, of Trafalgar Works, Peckham, in the County of Surrey, for an invention for—"An improved method of manufacturing floor cloth." *Complete specification; Letters Patent sealed.*
- SHARP.
DOUBBLE.
24th August 1864. 2085. STEPHEN SHARP, of No. 3, Melton Place, Euston Square, in the County of Middlesex, and ALFRED DOUBBLE, of No. 40, Fleet Street, in the City of London, for an invention for—"An improved high pressure non-leakage tap." *Provisional protection only.*
- SPENCE.
24th August 1864. 2086. WILLIAM SPENCE, of 8, Quality Court, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for raising and discharging water."—*A communication to him from abroad by Thomas Login, First Class Executive Engineer on Special Duty, Sealkote, in the Punjab, India.* *Letters Patent sealed.*
- GREAVES.
24th August 1864. 2087. HUGH GREAVES, of Abingdon Street, in the City of Westminster, Civil Engineer, for an invention for—"An improved apparatus for landing passengers and merchandise, which apparatus is applicable also to other purposes." *Provisional protection only.*
- COCHRANE.
24th August 1864. 2088. ARTHUR AUCKLAND LEOPOLD PEDRO COCHRANE, of Portsmouth, in the County of Hampshire, Captain in the Royal Navy, for an invention for—"Improvements in apparatus for heating and evaporating liquids and fluids." *Letters Patent sealed.*
- BELLHOUSE.
DORNING.
24th August 1864. 2089. EDWARD TAYLOR BELLHOUSE, and WILLIAM JOHN DORNING, both of Manchester, in the County of Lancaster, Engineers, for an invention for—"Certain improvements in stopcocks, taps or valves to be employed in connection with hydraulic pumps and presses." *Letters Patent sealed.*
- STEINBACH.
24th August 1864. 2090. JEAN MATHIEU STEINBACH, of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"Improvements in sewing machines." *Provisional protection only.*
- BARNICOAT.
BARR.
24th August 1864. 2091. WILLIAM HENRY BARNICOAT, of Alma St., Birmingham, in the County of Warwick, Grocer, and DAVID BARR, of No. 4, Cherry Street, Birmingham, in the County of Warwick, House and Estate Agent, for an invention for—"A portable fruit dressing machine for cleaning and removing the stalks and dirt from currants, raisins and other fruits." *Provisional protection only.*
- PILKINGTON.
24th August 1864. 2092. RICHARD PILKINGTON, of West Ham, in the County of Essex, for an invention for—"An improvement in gas burners." *Letters Patent sealed.*
- KOLZEWSKY.
HART.
CALDER.
24th August 1864. 2093. HERMANN LOEWENTHAL KOLZEWSKY, Doctor of Medicine, RICHARD HART, Newspaper Editor, and JOHN FRASER CALDER, Writer, all of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in the preparation of jute and other fibrous substances." *Provisional protection only.*
- MATTHEWS.
24th August 1864. 2094. JAMES MATTHEWS, of Domo Place, Victoria Road, Kensington, in the County of Middlesex, Builder, for an invention for—"Improved apparatus for retarding and stopping trains on railways." *Provisional protection only.*
- BEARD.
DOWNING.
24th August 1864. 2095. RICHARD BEARD, junior, of the Panonia Works, Clapham, and WALTER DOWNING, of Lachmere, Battersea, both in the County of Surrey, for an invention for—"Improvements in the manufacture of artificial leather, and in coloring, dyeing or finishing the same, which latter improvements are also applicable to the coloring or dyeing of the ordinary leather cloth." *Letters Patent sealed.*
- HUGHES.
25th August 1864. 2096. THOMAS JAMES HUGHES, of Albany Street, in the County of Middlesex, Builder, for an invention for—"Improvements in coating and sheathing the bottoms of ships or other vessels." *Provisional protection only.*
- POTTER.
25th August 1864. 2097. HAROLD POTTER, of the City of Manchester, Commission Agent, for an invention for—"Improvements in bleaching fibrous substances." *Letters Patent sealed.*

COPE. 25th August 1864.	2098. WILLIAM COPE, of New Basford, near Nottingham, Manufacturer, for an invention for—"Improvements in bobbin carriages used in lace machinery." <i>Provisional protection only.</i>
PETON. 25th August 1864.	2099. NICHOLAS JACQUES PETON, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Gentleman, for an invention for—"An improved machine for sweeping chimneys." <i>Letters Patent sealed.</i>
BROOMAN. 25th August 1864.	2100. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improved apparatus for lighting and for firing charges in mines and other blasting operations."— <i>A communication to him from abroad by Alphonse Dumas, of Privas, France.</i> <i>Letters Patent sealed.</i>
DAVIES. 25th August 1864.	2101. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved system of filter presses."— <i>A communication to him from abroad by Jacques Jacquier and Vincenz Danek, of the firm of Jacquier, Danek and Company, of Paris.</i> <i>Letters Patent sealed.</i>
COTTAM. COTTAM. 25th August 1864.	2102. GEORGE HALLEN COTTAM, and HENRY RICHARD COTTAM, of the St. Pancras Iron Works, Old St. Pancras Road, in the County of Middlesex, Engineers, for an invention for—"Improvements in machinery employed in transferring railway carriages from one line of rails to another, and in apparatus used for lifting and adjusting rails of railways." <i>Letters Patent sealed.</i>
NEWTON. 25th August 1864.	2103. ANN NEWTON, of Packington Street, Islington, in the County of Middlesex, Widow, for an invention for—"An improved apparatus for receiving or holding clothes, ornaments or other articles." <i>Provisional protection only.</i>
HILL. 26th August 1864.	2104. RICHARD HILL, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of iron and steel." <i>Provisional protection only.</i>
LUNDBORG. 26th August 1864.	2105. CHARLES GEORGE LUNDBORG, of Sodertelje, in the Kingdom of Sweden, Paraffin Oil Maker, for an invention for—"An improved mode of extracting oils from coal or other bituminous substances yielding hydro-carbon oils." <i>Provisional protection only.</i>
HATHAWAY. TODD. 26th August 1864.	2106. HENRY HATHAWAY, of 864, Old Kent Road, and WILLIAM TODD, of Manor Street, Old Kent Road, both in the County of Surrey, Engineers, for an invention for—"The application of a new material for the manufacture of paper, card-board, millboard, papier mâché and other similar substances." <i>Provisional protection only.</i>
MULLER. 26th August 1864.	2107. MARKS LEOPOLD MULLER, of Coleman Street, in the City of London, Watch Maker, for an invention for—"Improvements in watches." <i>Letters Patent sealed.</i>
STROUSE. 26th August 1864.	2108. JOSEPH STROUSE, of the City of New York, in the United States of America, Shirt Manufacturer, for an invention for—"Improvements in shirts." <i>Letters Patent sealed.</i>
ALLEN. JOHNSON. 26th August 1864.	2109. WILLIAM ALLEN, of Cheadle, in the County of Chester, Cotton Spinner, and WILLIAM JOHNSON, of Newton Moor, in the same County, Manager, for an invention for—"An improved method of covering certain descriptions of rollers employed in apparatus for preparing, spinning and doubling cotton and other fibrous substances." <i>Provisional protection only.</i>
HUNT. 26th August 1864.	2110. EDMUND HUNT, of No. 28, St. Enoch Square, Glasgow, and No. 1, Serle Street, Lincoln's Inn, London, Consulting Engineer and Patent Agent, for an invention for—"Improvements in machinery for planing wood."— <i>A communication to him from abroad by Theodor Andreas Prale, residing at Hamburg.</i> <i>Letters Patent sealed.</i>
JACKSON. 26th August 1864.	2111. HENRY JACKSON, of Pentonville, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for tentering or stretching and drying fabrics." <i>Provisional protection only.</i>
MARSHALL. 26th August 1864.	2112. RICHARD MARSHALL, of Wandsworth, in the County of Surrey, Builder, for an invention for—"Improvements in carriage windows." <i>Letters Patent sealed.</i>

- HASELTINE.
27th August 1864. 2113. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mechanism employed in the manufacture of boots and shoes."—*A communication to him from abroad by Gordon McKay, of Boston, Massachusetts, United States of America.*
Complete specification; Letters Patent sealed.
- CALVERT.
EDMESTON.
27th August 1864. 2114. EDMUND CALVERT, of Walton-le-Dale, in the County of Lancaster, and THOMAS EDMESTON, of the same place, for an invention for—"Improvements in parts of machinery or apparatus employed in preparing, spinning and doubling fibrous materials, and in the apparatus for manufacturing the said parts."
Letters Patent sealed.
- NIVEN.
27th August 1864. 2115. JAMES NIVEN, of Glasgow, in the County of Lanark, North Britain, Landscape Gardener, for an invention for—"Improvements in grave monuments."
Provisional protection only.
- DE FONTAINE-MOREAU.
27th August 1864. 2116. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in the manufacture of artificial stone."—*A communication to him from abroad by Charles Pasquin, of Verdan, France.*
Letters Patent sealed.
- JOHN.
27th August 1864. 2117. ELIZABETH JOHN, of the Town and County of the Town of Nottingham, Widow, for an invention for—"Improvements in the construction of bedsteads."
Provisional protection only.
- CAMPBELL.
29th August 1864. 2118. JAMES CAMPBELL, of No. 6, Founders Court, in the City of London, Civil Engineer, trading under the firm of Campbell, Johnson and Company, for an invention for—"Improvements in floating docks."
Letters Patent sealed.
- CHEETHAM.
29th August 1864. 2119. JOSEPH CHEETHAM, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in self-acting mules for spinning cotton and other fibrous materials."
Letters Patent sealed.
- ROWDEN.
29th August 1864. 2120. WILLIAM ROWDEN, of Whitstable, in the County of Kent, Master Mariner, for an invention for—"Improvements in reefing and furling sails."
Letters Patent sealed.
- ARMITAGE.
29th August 1864. 2121. FREDERIC WILLIAM ARMITAGE, of Barnsley, in the County of York, Engineer, for an invention for—"Improvements in machinery for cutting or working coal or other minerals."
Letters Patent sealed.
- THOMAS.
29th August 1864. 2122. RICHARD WHEELER THOMAS, of Pall Mall, in the County of Middlesex, for an invention for—"Improvements in tents and apparatus employed in taking photographic pictures."
Letters Patent sealed.
- BROOMAN.
29th August 1864. 2123. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in signalling apparatus specially applicable to signalling on board ship."—*A communication to him from abroad by John Blackie, of Washington, United States of America.*
Provisional protection only.
- BROOMAN.
29th August 1864. 2124. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new thread and the manufacture therefrom of fabrics and ornaments particularly applicable to bonnets, caps and hats."—*A communication to him from abroad by Jean Gaspard Placide Meyer, of Paris, France.*
Provisional protection only.
- BROOMAN.
29th August 1864. 2125. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in hair pins."—*A communication to him from abroad by Joseph Charles Howells, of New York, United States of America.*
Provisional protection only.
- LONES.
30th August 1864. 2126. JOHN LONES, of West Bromwich, in the County of Stafford, Iron Roller and Iron Merchant, for an invention for—"Improvements in coating iron with steel."
Letters Patent sealed.
- PACKER.
30th August 1864. 2127. JOHN PACKER, of St. John's Hill, New Wandsworth, in the County of Surrey, for an invention for—"Improvements in signals in railway trains."
Letters Patent sealed.

RUSSELL. 30th August 1864.	2128. CUTBERT RUSSELL, Engineer and Founder, Eagle Iron Works, Strood, in the County of Kent, for an invention for—"Improved machinery for the manufacture of bricks." <i>Provisional protection only.</i>
SHANKS. 30th August 1864.	2129. JOHN SHANKS, of Barrhead, and Greenock, in the County of Renfrew, North Britain, Plumber, for an invention for—"Improvements in water-closets." <i>Letters Patent sealed.</i>
CLARK. 30th August 1864.	2130. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in railway apparatus for the better prevention of collisions and other accidents."— <i>A communication to him from abroad by Jacques Antoine Barthélemy Balbi and François Pommerol, Mechanicians, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
HENSON. 30th August 1864.	2131. HENRY HENSON HENSON, of Parliament Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in sheathing or protecting ships, vessels and other structures." <i>Provisional protection only.</i>
SMITH. 30th August 1864.	2132. ALFRED SMITH, of Hackney, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for applying paste and other liquid adhesive material, color and paint to paper and other substances." <i>Provisional protection only.</i>
HARRISON. 30th August 1864.	2133. CHARLES WEIGHTMAN HARRISON, of Manchester, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
WILTON. 30th August 1864.	2134. GEORGE WILTON, of Doncaster, in the County of York, Mustard Manufacturer, for an invention for—"Improved means of communicating between passengers and between passengers and guards on railways." <i>Provisional protection only.</i>
BULLOUGH. 31st August 1864.	2135. WILLIAM BULLOUGH, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
PEIRCE. 31st August 1864.	2136. ALFRED EDWARD PEIRCE, of Hammersmith, in the County of Middlesex, Agricultural Engineer, for an invention for—"Improvements in troughs, racks and enclosures for cattle, sheep and pigs." <i>Letters Patent sealed.</i>
STENHOUSE. 31st August 1864.	2137. JOHN STENHOUSE, of 17, Rodney Street, Pentonville, in the County of Middlesex, Chemist, for an invention for—"Improvements in rendering certain substances less pervious to air and liquids, and also less liable to decay." <i>Letters Patent sealed.</i>
PERCY. 31st August 1864.	2138. WILLIAM CARTER STAFFORD PERCY, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in apparatus for washing, scrubbing or cleansing buildings, shop fronts, windows, carriages, watering gardens, plants, and for other similar purposes." <i>Provisional protection only.</i>
ANDREUX. COULON. 31st August 1864.	2139. JEAN BAPTISTE ANDREUX, Toy-maker, and EUGÈNE COULON, Gentleman, both of 82, Boulevard Sébastopol, Paris, in the Empire of France, for an invention for—"Improvements in the application of a combination of steam and air as a motive-power to ships and vessels of all descriptions." <i>Letters Patent sealed.</i>
FONTAINE. 31st August 1864.	2140. ALEXANDRE FELIX FONTAINE, of 82, Boulevard Sébastopol, Paris, in the Empire of France, Comb Manufacturer, for an invention for—"An improved disconnecting apparatus by means of which machinery can be promptly stopped in case of accident." <i>Provisional protection only.</i>
MACNEILL. 31st August 1864.	2141. SIR JOHN MACNEILL, of Mount Pleasant, County Louth, Ireland, and of 23, Cockspur Street, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in railway signals." <i>Letters Patent sealed.</i>
FURNESS. MOORE. 31st August 1864.	2142. GEORGE FURNESS of Great George Street, Westminster, Contractor, and LEWIS GEORGE MOORE, of Erith, in the County of Kent, Engineer, for an invention for—"Improvements in caissons employed in constructing embankment and other walls, piers, breakwaters and other like structures." <i>Letters Patent sealed.</i>
ROLLASON. 31st August 1864.	2143. ALEXANDER ROLLASON, of the Old Kent Road, London, Chemist, for an invention for—"Improvements in glazing and varnishing paintings, prints and photographs, and which improvements are also applicable to plain paper, woven fabrics, leather and other substances." <i>Provisional protection only.</i>

PETITO. 1st September 1864.	2144. ERNESTO PETITO, No. 6, Grange Terrace, Brompton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
WILSON. 1st September 1864.	2145. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms, and in converting muzzle-loading fire-arms into breech-loading fire-arms." <i>Letters Patent sealed.</i>
WHITE. 1st September 1864.	2146. JOHN WHITE, of West Cowes, Isle of Wight, Shipbuilder, for an invention for—"Improvements in lifeboats." <i>Letters Patent sealed.</i>
JOHNSON. 1st September 1864.	2147. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for sounding alarm or signal bells."— <i>A communication to him from abroad by Paul Baudet, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CLARK. 1st September 1864.	2148. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in registering apparatus applied to vehicles."— <i>A communication to him from abroad by Alfred Dorthiac, Commercial Traveller, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
BENNISON. 1st September 1864.	2149. HENRY BENNISON, of Burrage Road, Plumstead, in the County of Kent, and of Hobart Town, Tasmania, Gentleman, for an invention for—"Improvements in rotary steam and water power engines."— <i>Partly his own invention and partly a communication to him from abroad by Frederick Arundel Downing, of Hobart Town, Tasmania.</i> <i>Letters Patent sealed.</i>
FOWLER. 1st September 1864.	2150. THADDEUS FOWLER, of Seymour, in the State of Connecticut, United States of America, for an invention for—"An improved method of coating pins and other articles with tin or other metal." <i>Letters Patent sealed.</i>
GUY. 1st September 1864.	2151. JOHN SAMUEL GUY, of No. 6, Calli Ataulfo, Barcelona, Spain, for an invention for—"Improvements in apparatus for enabling passengers travelling by railway trains to communicate with the guard and driver." <i>Provisional protection only.</i>
WALTER. 2nd September 1864.	2152. EDWARD MILLER WALTER, of 64, Great Bland Street, Dover Road, Southwark, London, in the County of Surrey, Gas Engineer, for an invention for—"An improved gas valve and regulator." <i>Provisional protection only.</i>
WILSON. 2nd September 1864.	2153. JOHN HAYS WILSON, of the firm of John Hays Wilson and Company, of Liverpool, in the County of Lancaster, Brass Founders and Ships' Ironmongers, for an invention for—"Improvements in breech-loading cannon."— <i>A communication to him from abroad by Charles Dursien and William John Edwards Brown, of Valparaiso, Chile, South America.</i> <i>Letters Patent sealed.</i>
HEWES. 2nd September 1864.	2154. JAMET THOMAS HEWES, of 14, Park Place South, Park Walk, Chelsea, in the County of Middlesex, Gentleman, for an invention for—"Improvements in wind engines." <i>Provisional protection only.</i>
STUBBER. 2nd September 1864.	2155. NICHOLAS STUBBER, of Dublin, Ireland, for an invention for—"Improvements in the application of the screw and worm, and screw and pinion wheel, or endless screw and wheel, for propelling cars, carts, carriages, railway carriages, and all descriptions of land conveyances, and multiplying the power of steam, water, atmospheric and all other motive-power engines and machinery." <i>Provisional protection only.</i>
HUGOUNENQ. 2nd September 1864.	2156. JACQUES FULERAND PASCAL HUGOUNENQ, of the Town of Lodève, département de l'Hérault, in the Empire of France, Chemist, for an invention for—"An improved method of obtaining indigo from textile materials either yarns or fabrics previously dyed by the blue soaking process." <i>Provisional protection only.</i>
DUNCAN. CHILD. 2nd September 1864.	2157. WILLIAM LUNDI DUNCAN, of 26, Hunter Street, Brunswick Square, in the County of Middlesex, Civil Engineer, and SYDNEY CLULOW CHILD, of the Grove, Clapham, in the County of Surrey, Gentleman, for an invention for—"Improvements in bleaching coloured and other rags or other materials or half stuff, and in rag engines for paper making." <i>Provisional protection only.</i>
DE MOLIN. 2nd September 1864.	2158. ANTOINE MARIE JOSEPH COUNT DE MOLIN, of Paris, France, Gentleman, for an invention for—"An improved electro-magnetic engine." <i>Letters Patent sealed.</i>

PARSONS. 2nd September 1864.	2159. PERCEVAL MOSES PARSONS, of Blackheath, in the County of Kent, Civil Engineer, for an invention for—"Improvements in ordnance and projectiles." <i>Letters Patent sealed.</i>
BARLAND. 2nd September 1864.	2160. MARGARET BARLAND, of Mount Street, Grosvenor Square, in the County of Middlesex, for an invention for—"Improvements in obtaining motive-power, and in applying the same to the propulsion of ships or vessels constructed therefor, and to other useful purposes."— <i>A communication to her from abroad by Thomas Barland, resident at Eau Clair, Wisconsin, in the United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 2nd September 1864.	2161. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in washers or means of making the joints of metal pipes and other metal articles tight."— <i>A communication to him from abroad by Hippolyte Brocard, and Edward Hunniball, both of Paris, France.</i> <i>Letters Patent sealed.</i>
BURDON. 2nd September 1864	2162. WILLIAM WHARTON BURDON, of the Town and the County of the Town of Newcastle upon Tyne, Esquire, for an invention for—"Improvements in hewing or getting coal and in apparatus employed therein." <i>Letters Patent sealed.</i>
IVERS. OGDEN. 3rd September 1864.	2163. JAMES IVERS, of Preston, in the County of Lancaster, and THOMAS OGDEN, of Little Hulton, in the same County, Spinners, for an invention for—"Certain improvements in 'flyers' to be employed in roving, slubbing and spinning cotton and other fibrous substances." <i>Letters Patent sealed.</i>
STANDISH. 3rd September 1864.	2164. CHARLES WILLIAM STANDISH, of King's Road, Chelsea, in the County of Middlesex, Engineer, for an invention for—"A new or improved apparatus for boiling eggs." <i>Provisional protection only.</i>
BARBER. 3rd September 1864.	2165. JAMES BARBER, Engineer to the Cork Blackrock and Passage Railway Company, of Cork, Ireland, for an invention for—"Improvements in communicating, watching and signalling throughout railway trains." <i>Provisional protection only.</i>
GREENFIELD. 3rd September 1864.	2166. DANIEL GREENFIELD, of Birmingham, in the County of Warwick, Brass-founder, for an invention for—"Improvements in the manufacture of screw eyes applicable for holding stair rods, picture rings and other like purposes." <i>Provisional protection only.</i>
LANGHAM. 5th September 1864.	2167. WILLIAM LANGHAM, of No. 149, Holborn, in the City of London, Tobacco-nist, for an invention for—"An improvement in the constructing vessels of war and fortifications." <i>Letters Patent sealed.</i>
SYMONDS. 5th September 1864.	2168. THOMAS EDWARD SYMONDS, Captain in the Royal Navy, of No. 10, Adam Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in the construction of ships and other vessels." <i>Letters Patent sealed.</i>
NEWTON. 5th September 1864.	2169. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for manufacturing nails."— <i>A communication to him from abroad by William Wickersham, of Boston, in the State of Massachusetts, and United States of America.</i> <i>Letters Patent sealed.</i>
LLOYD. LLOYD. 5th September 1864.	2170. EDWARD RIGGE LLOYD, and SAMUEL LLOYD, of Birmingham, in the County of Warwick, Tube Manufacturers, for an invention for—"An improved method of securing tubes in tube sheets."— <i>A communication to them from abroad by John Hervey Knickerbocker, of Philadelphia, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>
LLOYD. LLOYD. 5th September 1864.	2171. EDWARD RIGGE LLOYD, and SAMUEL LLOYD, of Birmingham, in the County of Warwick, Tube Manufacturers, for an invention for—"An improved method of expanding tubes in tube sheets."— <i>A communication to them from abroad by Renel Blackwood, of Philadelphia, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>
SHORTREDE. 6th September 1864.	2172. ROBERT SHORTREDE, of the Rowans Lee Road, Blackheath, in the County of Kent, for an invention for—"Improvements in fastenings for bales of cotton, wool or other substances." <i>Provisional protection only.</i>

- MENNONS.
6th September 1864. 2173. MARC ANTOINE FRANÇOIS MENNON, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in the construction of sewing-machines."—*A communication from Joseph Weatherby Bartlett, a person resident at No. 442, Broadway, New York, in the United States of America.* Letters Patent sealed.
- WEAVER.
6th September 1864. 2174. FREDERICK WEAVER, of Freeth Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in latches for doors, garden gates and other similar purposes." Letters Patent sealed.
- LEATHER.
6th September 1864. 2175. JOHN KNOWLES LEATHER, of St. Helens, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of salts of chromium from chrome ore."—*A communication to him from abroad by Benedict Margulies, of Trieste, in the Empire of Austria.* Provisional protection only.
- CORBETT.
CORBETT.
6th September 1864. 2176. SAMUEL CORBETT, of Wellington, in the County of Salop, Agricultural Implement Manufacturer, and WILLIAM CORBETT, of Wellington, aforesaid, Agricultural Implement Manufacturer, for an invention for—"Improvements in the agricultural implements called Norwegian Harrows." Provisional protection only.
- WALKER.
6th September 1864. 2177. DAVID WALKER, of Liverpool, in the County of Lancaster, Distiller, for an invention for—"Improvements in arrangements for malting." Letters Patent sealed.
- BAKER.
WOODROFFE.
6th September 1864. 2178. THOMAS HENRY BAKER, of Tonbridge, in the County of Kent, Engineer, and THOMAS WOODROFFE, of the same place, Builder, for an invention for—"Improvements in filtering apparatus for filtering water and other liquids." Letters Patent sealed.
- SMITH.
6th September 1864. 2179. JOHN SMITH, of Queen's Grove, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in saving ships or other vessels from sinking." Letters Patent sealed.
- SHARP.
6th September 1864. 2180. ANDREW SHARP, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Certain improvements in cabinet bedsteads." Provisional protection only.
- PERKIN.
6th September 1864. 2181. WILLIAM HENRY PERKIN, of Seymour Villa, Sudbury, in the County of Middlesex, for an invention for—"Improvements in preparing coloring matters for dyeing and printing." Letters Patent sealed.
- CURTIS.
6th September 1864. 2182. WILLIAM JOSEPH CURTIS, of Clifton Road, Holloway, in the County of Middlesex, Engineer, for an invention for—"Improvements in railway carriages and in the means to be employed by passengers in signalling to the guard of railway trains." Provisional protection only.
- BULLOUGH.
7th September 1864. 2183. JOHN BULLOUGH, of Accrington, in the County of Lancaster, for an invention for—"Improvements in roving, intermediate, slubbing frames and other similar machines." Provisional protection only.
- WARD.
7th September 1864. 2184. WILLIAM HENRY WARD, of the City of Auburn, in the County of Cayuga, and State of New York, one of the United States of America, and 75, Hatton Garden, London, E.C., for an invention for—"Improvements in tramways and in carriages to be used upon them, the same being applicable to railways and their carriages." Provisional protection only.
- BURGESS.
7th September 1864. 2185. EDWIN BURGESS, of High Street, Wandsworth, in the County of Surrey, for an invention for—"An improved watch protector." Provisional protection only.
- SMITH.
7th September 1864. 2186. ANDREW SMITH, of Mauchline, in the County of Ayr, North Britain, for an invention for—"A new mode of ornamenting papier mâché while it is in a soft and pliable state, or any other similar substance while it is or can be brought into that state." Provisional protection only.
- HUNTER.
7th September 1864. 2187. WILLIAM ANTHONY HUNTER, of Scarfoot, Plumton, near Penrith, in the County of Cumberland, Farmer, for an invention for—"Improvements in machinery for reaping and mowing." Provisional protection only.

CLARK. 7th September 1864.	2188. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the construction of the frames of umbrellas and sunshades."— <i>A communication to him from abroad by Jean Baptiste Dellestable, Umbrella Manufacturer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MOE. 8th September 1864.	2189. ADDISON MOE, of Milwaukie, in the County of Milwaukie, State of Wisconsin, U.S.A., for an invention for—"An improved construction of double action submerged force pumps." <i>Provisional protection only.</i>
PLACET. 8th September 1864.	2190. PAUL EMILE PLACET, of Paris, Rue Garancière, No. 8, Civil Engineer, for an invention for—"An improved process of engraving." <i>Letters Patent sealed.</i>
CHATTERTON. 8th September 1864.	2191. RICHARD DOVER CHATTERTON, of Highbury, in the County of Middlesex, Esquire, for an invention for—"Improvements in coupling apparatus." <i>Provisional protection only.</i>
CROSLAND. 8th September 1864.	2192. JAMES STEAD CROSLAND, of Ashton-under-Lyne, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines for blowing, pumping or forcing air, pumping water, driving machinery and for other purposes, and in the construction of the houses or beds of steam-engines." <i>Letters Patent sealed.</i>
FLEMING. 8th September 1864.	2193. JAMES FLEMING, Customs Bonding, Shipping and Forwarding Agent, in Glasgow, in the County of Lanark, in Scotland, for an invention for—"Improvements in the treatment of tobacco leaf for the extracting of juice or liquor therefrom." <i>Letters Patent sealed.</i>
TAYLOR. 8th September 1864.	2194. THOMAS TAYLOR, of No. 4, Euston Grove, in the County of Middlesex, for an invention for—"Improvements in urinals." <i>Letters Patent sealed.</i>
BEDSON. 8th September 1864.	2195. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager of Iron Works, for an invention for—"Improvements in machinery or apparatus for rolling wire rods and wire." <i>Letters Patent sealed.</i>
NEWTON. 8th September 1864.	2196. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing-machinery, parts of which improvements are applicable to ornamenting fabrics and covering buttons."— <i>A communication to him from abroad by Isaac Merrit Singer, of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
FRUWIRTH. 8th September 1864.	2197. DANIEL FRUWIRTH, of Palace Road, Upper Norwood, in the County of Surrey, for an invention for—"An improved apparatus for cutting photographic impressions, cartes de visite, stereographs and other such like purposes." <i>Letters Patent sealed.</i>
GRAFTON. 9th September 1864.	2198. HENRY GRAFTON, of Brompton Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in the method of and machinery for cutting wood." <i>Provisional protection only.</i>
WILSON. 9th September 1864.	2199. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms and ordnance." <i>Letters Patent sealed.</i>
CLARK. 9th September 1864.	2200. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for damping paper used in copying letters, and other papers."— <i>A communication to him from abroad by Claude Marie Bathias, Civil Engineer, and Pierre Théodore Notin, Accountant, both of 29, Boulevard St. Martin, and 12, Rue des Jeûneurs, Paris.</i> <i>Provisional protection only.</i>
SHORROCK. SHORROCK. MOULD. 9th September 1864.	2201. JOHN SHORROCK, RALPH SHORROCK, and WILLIAM MOULD, all of Over Darwen, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
WALLIS. DREWETT. 9th September 1864.	2202. ARTHUR WALLIS, of the firm of Wallis, Haslam and Steevens, of Basingstoke, in the County of Hants, and WILLIAM DREWETT, junior, of Luton, in the County of Bedford, for an invention for—"Improvements in threshing and dressing machines." <i>Provisional protection only.</i>

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| <p>CUNNINGHAM.
9th September 1864.</p> <p>LÖBNITZ.
9th September 1864.</p> <p>RESTELL.
9th September 1864.</p> <p>COPPIN.
9th September 1864.</p> <p>BARLOW.
9th September 1864.</p> <p>SHEPHERD.
10th September 1864.</p> <p>DE FONTAINE-MOREAU.
10th September 1864.</p> <p>LILLIE.
10th September 1864.</p> <p>NEWBOLT.
10th September 1864.</p> <p>GOODBODY.
10th September 1864.</p> <p>BRODIE.
10th September 1864.</p> <p>RIDLEY.
10th September 1864.</p> <p>HOLDING.
10th September 1864.</p> <p>FITZGERALD.
PHENÉ.
10th September 1864.</p> <p>COOK.
10th September 1864.</p> | <p>2203. HENRY DUNCAN PRESTON CUNNINGHAM, of Bury, in the County of Hants, Esquire, for an invention for—"Improvements in running rigging and in means of working the same."
<i>Letters Patent sealed.</i></p> <p>2204. HENRY CHRISTIAN LÖBNITZ, of the Town and County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in oscillating steam-engines and in the valve motion thereof."
<i>Letters Patent sealed.</i></p> <p>2205. THOMAS RESTELL, of the Laurels, Palace Square, Norwood, in the County of Surrey, for an invention for—"Improvements in umbrellas."
<i>Letters Patent sealed.</i></p> <p>2206. WILLIAM COPPIN, of the Strand Foundry, Londonderry, Ireland, for an invention for—"Improvements in the construction of ships and vessels."
<i>Provisional protection only.</i></p> <p>2207. PETER WILLIAM BARLOW, of Blackheath, in the County of Kent, for an invention for—"Improvements in constructing and working railways, and in constructing railway tunnels."
<i>Letters Patent sealed.</i></p> <p>2208. JAMES SHEPHERD, of Salford, in the County of Lancaster, Broker, for an invention for—"Improvements in machinery employed in the manufacture of wadding felt and waterproof fabrics."
<i>Provisional protection only.</i></p> <p>2209. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in machinery for the manufacture of boots and shoes."—<i>A communication from Messieurs Jovite Chuvin and Eugene Chuvin, persons resident at No. 38, Boulevard St. Jacques, Paris, in the Empire of France.</i>
<i>Provisional protection only.</i></p> <p>2210. SIR JOHN SCOTT LILLIE, Knight, and Companion of the Honourable Military Order of the Bath, late Lieutenant Colonel of the Grenadier Guards, and Major General in the Portuguese service, of 104, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in the apparatus used in propelling by atmospheric pressure or steam power or both combined."
<i>Provisional protection only.</i></p> <p>2211. CHARLES JAMES NEWBOLT, of Millbrook, near Southampton, Engineer, for an invention for—"Improvements in the arrangements and construction of fixed and portable combined thrashing machines."
<i>Letters Patent sealed.</i></p> <p>2212. LEWIS FREDERIC GOODBODY, of Clara, Kings County, Ireland, Manufacturer, for an invention for—"Improvements in mills for the manufacture of flour from grain."
<i>Letters Patent sealed.</i></p> <p>2213. DAVID BRODIE, of Paisley, in the County of Renfrew, North Britain, Brewer, for an invention for—"Improvements in apparatus for heating water by means of waste steam."
<i>Letters Patent sealed.</i></p> <p>2214. THOMAS DAWSON RIDLEY, of No. 21, Arundel Street, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for mixing the materials for making concrete, which improvements are also applicable to mixing other substances."
<i>Letters Patent sealed.</i></p> <p>2215. JOSEPH HOLDING, of Wheelton, near Chorley, in the County of Lancaster, Overlooker, for an invention for—"Certain improvements in looms for weaving."
<i>Letters Patent sealed.</i></p> <p>2216. MICHAEL FITZGERALD, of No. 201, King's Road, Chelsea, Oilman, and JOHN SAMUEL PHENÉ, of No. 34, Oakley Street, Chelsea, Architect, for an invention for—"Protection of the lives and persons of travellers on railways, by improved signal communication between any passenger and the guard and other passengers."
<i>Provisional protection not granted.</i></p> <p>2217. HARRY WHITESIDE COOK, of Angel Court, Throgmorton Street, in the City of London, Gentleman, for an invention for—"Improvements in electric telegraphs."—<i>A communication to him from abroad by Gaetano Bonelli, of Turin, in the Kingdom of Italy.</i>
<i>Provisional protection only.</i></p> |
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DAVIS. 10th September 1864.	2218. ALFRED ALLEN DAVIS, Auctioneer, of 9, and 10, Basinghall Street, in the City of London, for an invention for—"Improvements in apparatus for communicating or signalling between the guard and driver, and between the passengers and guard or driver of railway trains." <i>Provisional protection only.</i>
MORIARTY. 10th September 1864.	2219. CORNELIUS MORIARTY, of Greenwich, in the County of Kent, Wire Worker, for an invention for—"Improvements in the manufacture of guards for preventing the escape of sparks from locomotive and other engines." <i>Letters Patent sealed.</i>
WATT. 10th September 1864.	2220. ALEXANDER WATT, of Ash Cottage, Putney, in the County of Surrey, Chemist, for an invention for—"Improved means or apparatus to facilitate the removal of the ends of eggs." <i>Letters Patent sealed.</i>
POTTER. 10th September 1864.	2221. ELISHA OLNEY POTTER, of the State of Rhode Island, of the United States of America, for an invention for—"Improvements in machinery for cutting files or the formation of the teeth thereof." <i>Complete specification; Letters Patent sealed.</i>
WILLIAMS. 12th September 1864.	2222. JAMES WILLIAMS, of Broad Quay, in the City of Bath, in the County of Somerset, Engineer, for an invention for—"Improvements in apparatus connected with fermenting, charging, cleansing or tunning vessels, casks or vats." <i>Letters Patent sealed.</i>
BAILDON. 12th September 1864.	2223. HENRY CRAVEN BAILDON, of Edinburgh, Chemist, for an invention for—"Improvements in the manufacture of inks or writing fluids to be used with certain kinds of paper, for the prevention of fraudulent alterations in bankers' draughts, notes, cheques, and other documents in which it is important to avoid alteration or erasure." <i>Letters Patent sealed.</i>
SCHLEICHER. 12th September 1864.	2224. RICHARD SCHLEICHER, of Belle-vallée, near Aix-la-Chapelle, but at present residing at Redditch, in the County of Worcester, Needle Manufacturer, for an invention for—"New or improved machinery to be used in the manufacture of needles."— <i>A communication to him from abroad by Joseph Wolters, of Aix-la-Chapelle.</i> <i>Provisional protection only.</i>
KNAB. 12th September 1864.	2225. DAVID CLOVIS KNAB, of No. 24, Rue de Dunkerque, Paris, in the Empire of France, and 12, Abingdon Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in the mode of and apparatus for obtaining motive-power from steam and other elastic fluids." <i>Letters Patent sealed.</i>
CLARK. 12th September 1864.	2226. GEORGE CLARK, of No. 42, Hunter Street, Brunswick Square, in the County of Middlesex, for an invention for—"Improvements in guns, gun carriages and projectiles, and in the manufacture and use of materials employed in their construction." <i>Letters Patent sealed.</i>
SANDERSON. 12th September 1864.	2227. CHARLES SANDERSON, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the manufacture of ordnance." <i>Provisional protection only.</i>
GRANT. 12th September 1864.	2228. ALONZO GALORD GRANT, of the Long Row, Nottingham, Photographer, for an invention for—"A clock work magnesium lamp with reflectors, magnifiers and condensers, for the burning of magnesium wire to produce powerful light." <i>Provisional protection NOT granted.</i>
FAIRLIE. 12th September 1864.	2229. ROBERT FRANCIS FAIRLIE, of Gracechurch Street, in the City of London, Engineer, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Provisional protection only.</i>
POTTER. 13th September 1864.	2230. HAROLD POTTER, of the City of Manchester, Commission Agent, for an invention for—"Improvements in bleaching fibrous substances." <i>Letters Patent sealed.</i>
DEAN. 13th September 1864.	2231. JOHN DEAN, of No. 3, Prospect Place, Bolton Street, Handsworth, n ^e Birmingham, for an invention for—"Improvements in marine steam-engines." <i>Provisional protection only.</i>
HIGHAM. KIRK. 13th September 1864.	2232. ELI HIGHAM, Waste Dealer, and ROBERT KIRK, Heald Knitter, both of Accrington, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus employed for making or knitting healds." <i>Letters Patent sealed.</i>

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| <p>BELHOMMET.
13th September 1864.</p> <p>FISHER.
13th September 1864.</p> <p>KIRK.
13th September 1864.</p> <p>RITCHIE.
13th September 1864.</p> <p>DURFEE.
13th September 1864.</p> <p>TAYLOR.
13th September 1864.</p> <p>GLOVER.
14th September 1864.</p> <p>SKELDON.
14th September 1864.</p> <p>BANKS.
14th September 1864.</p> <p>DE PRÉBOIS.
14th September 1864.</p> <p>McLAY.
THOMPSON.
14th September 1864.</p> <p>JOHNSON.
14th September 1864.</p> <p>HAMMOND.
14th September 1864.</p> <p>HASELTINE.
15th September 1864.</p> <p>MORRIS.
15th September 1864.</p> | <p>2233. AMÉDÉE BELHOMMET, of Landerneau (Finistère), in the Empire of France, Gentleman, for an invention for—"Improvements in the preparation of jute."
<i>Provisional protection only.</i></p> <p>2234. JOHN MARTYN FISHER, of Taunton, in the County of Somerset, Ironmonger, for an invention for—"Improvements in roasting jacks."
<i>Letters Patent sealed.</i></p> <p>2235. ALEXANDER CARNEGIE KIRK, of Bathgate, in the County of Linlithgow, North Britain, Engineer, for an invention for—"Improvements in the manufacture of ice."
<i>Letters Patent sealed.</i></p> <p>2236. JOSEPH HORATIO RITCHIE, junior, of No. 106, Leadenhall Street, in the City of London, for an invention for—"Improvements in bolts used in the construction of ships and vessels."
<i>Letters Patent sealed.</i></p> <p>2237. ZOHETH SHERMAN DURFEE, of Pittsburgh, Pennsylvania, United States of America, but at present residing at Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in apparatus for generating gas for fuel, and in furnaces for applying gaseous fuel to metallurgical and other operations."
<i>Letters Patent sealed.</i></p> <p>2238. SAMUEL JOHN TAYLOR, of West Bromwich, in the County of Stafford, Mechanic, for an invention for—"Improvements in the manufacture of iron hollow ware, which improvements are also applicable to the manufacture of iron pipes and other articles made of iron."
<i>Provisional protection only.</i></p> <p>2239. BENJAMIN GLOVER, of Parker's Row, Dockhead, in the County of Surrey, Engineer, for an invention for—"Improvements in carriage wheels and axles."
<i>Letters Patent sealed.</i></p> <p>2240. PETER SKELDON, of Bushbury, near Wolverhampton, in the County of Stafford, Engineer, for an invention for—"Improvements in anti-friction bearings for shafts or axles."
<i>Provisional protection only.</i></p> <p>2241. JAMES BANKS, of Sharples, near Bolton, in the County of Lancaster, Spinner, for an invention for—"Certain improvements in mules for spinning."
<i>Provisional protection only.</i></p> <p>2242. FRANÇOIS LEBLANC DE PRÉBOIS, of Algiers, Gentleman, for an invention for—"A siphon with a closing apparatus."
<i>Provisional protection only.</i></p> <p>2243. JOHN LAIRD McLAY, of Liverpool, in the County of Lancaster, Master Mariner, and WILLIAM HENRY THOMPSON, of St. Stephens, in the Colony of New Brunswick, Master Mariner, for an invention for—"Improvements applicable to instruments used for taking observation at sea during the night."
<i>Provisional protection only.</i></p> <p>2244. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the preparation or treatment of coloring matters obtained from aniline."—<i>A communication to him from abroad by Henri François Gaultier de Claubry, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>2245. THOMAS RUNDLE HAMMOND, of the City of New York, United States of America, actually residing in the City of Paris, France, for an invention for—"A new system or mode of transportation of packages or other objects from one place to another, by land, by water or in the air, by instantaneous or by graduated speed."
<i>Provisional protection NOT granted.</i></p> <p>2246. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of boots and shoes."—<i>A communication to him from abroad by Joseph Blanchard Crosby, Engineer, of Boston, Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2247. JOHN ELTON MORRIS, of Liverpool, in the County of Lancaster, Student of Science, for an invention for—"Improvements in instruments for measuring and registering distances passed over by pedestrians."
<i>Letters Patent sealed.</i></p> |
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TOWNSEND. 15th September 1864.	2248. RICHARD TOWNSEND, of Sheffield, in the County of York, Engineer, for an invention for—"An improved tallow cup or lubricator for the cylinders and valves of steam-engines, steam hammers and other purposes." <i>Letters Patent sealed.</i>
PAINE. 15th September 1864.	2249. LEWIS JAMES PAINE, of Upper Albany Street, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in the means of and apparatus for advertising." <i>Provisional protection only.</i>
CHUBB. FRY. 15th September 1864.	2250. WILLIAM CHUBB, and SOLOMON FRY, both of Clifton, Bristol, in the County of Gloucester, for an invention for—"Improvements in the means or method of effecting communication between passengers, guards and engine drivers of railway trains." <i>Provisional protection only.</i>
WEVER. 15th September 1864.	2251. ALBERT WEVER, of Barmen, in the Kingdom of Prussia, Engineer, for an invention for—"Improved machinery for washing yarns."— <i>The result partly of a communication from abroad made to him by Christian Raiser, of Obernzwil, in the Republic of Switzerland, and partly of invention and discovery made by him.</i> <i>Provisional protection only.</i>
NEWTON. 15th September 1864.	2252. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of and apparatus for preventing incrustation in steam-boilers."— <i>A communication to him from abroad by George Tracy Parry, of Philadelphia, in the State of Pennsylvania, and United States of America.</i> <i>Letters Patent sealed.</i>
PERKINS. 15th September 1864.	2253. ANGLIER MARCH PERKINS, of No. 6; Francis Street, Regent Square, in the County of Middlesex, for an invention for—"Improvements in constructing ovens and applying wrought iron tubular apparatus for circulating hot water to heat the same." <i>Letters Patent sealed.</i>
BERTSCH. 15th September 1864.	2254. AUGUSTE BERTSCH, Engineer, residing at No. 27, Rue Fontaine St George, in Paris, for an invention for—"Improvements in lightning conductors for preventing atmospheric electricity damaging electric telegraph instruments." <i>Letters Patent sealed.</i>
HALL. 15th September 1864.	2255. RICHARD THOMAS HALL, of the Railway Office, Devoran, in the County of Cornwall, for an invention for—"Improvements in the means of communicating between passengers and guards in railway trains." <i>Provisional protection only.</i>
LAVATER. 15th September 1864.	2256. MANUEL LEOPOLD JONAS LAVATER, of Bath Street, Newgate Street, in the City of London, India-Rubber Manufacturer, for an invention for—"Improvements in the manufacture of driving straps or belting, and of tubes of vulcanized india-rubber, and also in the manufacture of the helical coils of wire commonly inserted in vulcanized india-rubber tubes, also in desulphurizing articles of vulcanized india-rubber." <i>Provisional protection only.</i>
MOY. 16th September 1864.	2257. THOMAS MOY, of Clifford's Inn, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the mode of propelling trains on railways." <i>Provisional protection only.</i>
HEY. 16th September 1864.	2258. JOE GREEN HEY, of Hartshead Moor, Cleckheaton, in the County of York, India-Rubber Manufacturer and Mineral Oil Refiner, for an invention for—"An improved means of and apparatus for lubricating the axles of 'corves' or carriages employed for conveying coal or other material from pits and mines." <i>Letters Patent sealed.</i>
CAFFERATA. 16th September 1864.	2259. JOSEPH RAPHOEL CAFFERATA, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in gasaliers." <i>Provisional protection only.</i>
SIMPSON. 16th September 1864.	2260. JOHN HAWKINS SIMPSON, of Kilmeena, in Ireland, Esquire, for an invention for—"Improvements in printing by electricity for telegraphic and other purposes." <i>Letters Patent sealed.</i>
HUNTER. 16th September 1864.	2261. JAMES CHARLES HUNTER, of Pentonville, in the County of Middlesex, Cabinet Maker, for an invention for—"Improvements in bookslides." <i>Provisional protection only.</i>
BARON. 16th September 1864.	2262. STANISLAS ANTOINE BARON, of Paris, in the Empire of France, Gentleman, for an invention for—"An improved so-called 'bed-table.'" <i>Complete specification; Letters Patent sealed.</i>

BARON. 16th September 1864.	2263. STANISLAS ANTOINE BARON, of Paris, in the Empire of France, Gentleman, for an invention for—"An improved bedstead." <i>Complete specification; Letters Patent sealed.</i>
HOLT. 16th September 1864.	2264. ROBERT HOLT, of Little Lever, near Bolton, in the County of Lancaster, Terra Cotta Manufacturer, for an invention for—"Improvements in the manufacture and construction of hoods for ventilators." <i>Letters Patent sealed.</i>
THORNTON. 16th September 1864.	2265. FRANCIS THORNTON, of the Strand, in the County of Middlesex, for an invention for—"Improved arrangements for propelling ships and vessels." <i>Provisional protection only.</i>
BENNETT. 16th September 1864.	2266. SAMUEL BENNETT, of the City of Manchester, in the County of Lancaster, Brass Founder and Copper Smith, for an invention for—"Improvements in lubricators." <i>Provisional protection only.</i>
HUNTINGTON. 16th September 1864.	2267. JOHN BARKER HUNTINGTON, of No. 3, Furnival's Inn, in the City of London, Engineer, for an invention for—"An improvement in the scales of aneroid barometers and of mercurial barometers." <i>Provisional protection only.</i>
AUSTIN. 16th September 1864.	2268. WILLIAM AUSTIN, of Greville Street, Holborn, in the County of Middlesex, for an invention for—"Improvements in the manufacture or construction of card board, scale board and other boxes, cases and similar articles." <i>Provisional protection only.</i>
ATTWOOD. 16th September 1864.	2269. CHARLES ATTWOOD, of Tow Law Iron Works, in the County of Durham, Iron Master, for an invention for—"Improvements in blast furnaces." <i>Letters Patent sealed.</i>
CRAMPTON. 16th September 1864.	2270. THOMAS RUSSELL CRAMPTON, of No. 12, Great George Street, Westminster, for an invention for—"Improvements in kilns used for drying, burning and cooling bricks, tiles, lime, cement and other articles." <i>Provisional protection only.</i>
WOOD. 16th September 1864.	2271. JOHN BLAND WOOD, of Broughton, in the Parish of Manchester, in the County of Lancaster, Doctor of Medicine, for an invention for—"Improvements in the manufacture of floor cloths." <i>Provisional protection only.</i>
COLOMBE. 16th September 1864.	2272. LOUIS COLOMBE, of Paris, in the Department of the Seine, France, Householder, for an invention for—"An improved mechanism for producing a continuous rotatory motion." <i>Provisional protection only.</i>
STEVENS. 17th September 1864.	2273. CHARLES STEVENS, of the firm Stevens and Henderson, of 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine for forcing up water."— <i>A communication to him from abroad by Louis Martin Petit, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
BROWN. 17th September 1864.	2274. CHARLES BROWN, of No. 23, Old Steine, Brighton, in the County of Sussex, Gentleman, for an invention for—"A new and improved mode of and contrivance for ripping or cutting open newspapers, journals, pamphlets and other paper folded or otherwise." <i>Letters Patent sealed.</i>
JEFFREYS. 17th September 1864.	2275. MARMADUKE DARELL JEFFREYS, of Ebury Street, Pimlico, in the County of Middlesex, for an invention for—"Improvements in railway turntables." <i>Letters Patent sealed.</i>
JOHNSON. 17th September 1864.	2276. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in artificial fuel."— <i>A communication to him from abroad by Paul Baudet, of Paris, in the Empire of France, Merchant.</i> <i>Provisional protection only.</i>
CHRYMES. 17th September 1864.	2277. RICHARD CHRYMES, of the firm of Guest and Chrymes, of Rotherham, in the County of York, Brassfounders, for an invention for—"Improvements in hydrants or fire cocks." <i>Letters Patent sealed.</i>
YATES. 17th September 1864.	2278. FREDERIC YATES, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of iron and steel."— <i>A communication to him from abroad by Dr. Adolph Gurlt, of Bonn, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>

BRANDON. 17th September 1864.	2279. DAVID HUNTER BRANDON, Engineer, of 13, Rue Gaillon, Paris, for an invention for—"Improvements in the treatment of tar oils for the purpose of employing the same as paint."— <i>A communication from Vincent Cordier and Claudius Cordier, Oil Manufacturers, and John Gatliff, persons residing in Paris, France.</i> <i>Provisional protection only.</i>
ADAMS. 17th September 1864.	2280. JAMES ADAMS, of Sheffield, in the County of York, Engineer, for an invention for—"Improvements in the means of communicating or signalling between the different parts of railway trains." <i>Letters Patent sealed.</i>
HARRISON. 17th September 1864.	2281. JOHN HARRISON, of Glasgow, in the County of Lanark, North Britain, Ship Owner, for an invention for—"Improvements in cleansing ships' bottoms at sea, and in the machinery, apparatus or means connected therewith." <i>Provisional protection only.</i>
BURNS. 17th September 1864.	2282. JOHN HAMILTON BURNS, of Glasgow, in the County of Lanark, North Britain, Gentleman, for an invention for—"Improvements in the distillation of volatile minerals, vegetable and other organic matters." <i>Provisional protection only.</i>
RICHARDS. 17th September 1864.	2283. RICHARD RICHARDS, of Wednesbury, in the County of Stafford, Gentleman, for an invention for—"Certain improvements in carriage axles." <i>Letters Patent sealed.</i>
LEA. 17th September 1864.	2284. WILLIAM LEA, of Pool Street, Wolverhampton, in the County of Stafford, for an invention for—"An improved alarum applicable to doors, windows and otherwise." <i>Provisional protection only.</i>
SLAUGHTER. CAILLET. 17th September 1864.	2285. EDWARD SLAUGHTER, of Clifton, in the County of Somerset, and FERDINAND LOUIS FÉLIX CAILLET, of No. 7, Avenue d'Antin, in Paris, Civil Engineer, for an invention for—"Improvements in locomotive engines." <i>Letters Patent sealed.</i>
TAMET. 17th September 1864.	2286. DOMINIQUE TAMET, of No. 103, Vieille route, Neuilly (Seine), in the Empire of France, for an invention for—"Improvements in apparatus for obtaining light for lighting pipes and cigars." <i>Letters Patent sealed.</i>
NAPIER. 17th September 1864.	2287. JAMES MURDOCH NAPIER, of York Road, Lambeth, for an invention for—"Improvements in apparatus for cleansing the lower parts of boots and shoes." <i>Provisional protection only.</i>
SMITH. 17th September 1864.	2288. JOSEPH SMITH, of Bradford, in the County of York, Worsted Spinner, for an invention for—"Improvements in machinery or apparatus for spinning and winding wool or other fibrous materials, on to spools and tubes." <i>Letters Patent sealed.</i>
FIGGE. 19th September 1864.	2289. AUGUSTUS FIGGE, of Kensal Green, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the construction of safety match and fusee boxes." <i>Provisional protection only.</i>
TOLHAUSEN. 19th September 1864.	2290. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in apparatus for lighting shop-fronts or other kindred purposes."— <i>A communication from Frederic Barnett, Merchant, a person resident at Paris, 164, Rue de Rivoli.</i> <i>Provisional protection only.</i>
TOLHAUSEN. 19th September 1864.	2291. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, C.E., and Patent Agent, for an invention for—"Certain improvements in apparatus for projecting the shuttle of a loom through the shed."— <i>A communication to him from Henry Traphagen Kerr, Gentleman, a person resident at Newark, New Jersey, United States of America.</i> <i>Provisional protection only.</i>
VERO. 19th September 1864.	2292. JAMES VERO, of Atherstone, in the County of Warwick, Furrier, for an invention for—"Improvements in brushes or brooms." <i>Provisional protection only.</i>
TAYLORSON. 19th September 1864.	2293. THOMAS TAYLORSON, of Woodfold Park, near Blackburn, in the County of Lancaster, Mechanic, for an invention for—"Improvements in machinery or apparatus for working coal or other minerals." <i>Provisional protection only.</i>
BROOMAN. 19th September 1864.	2294. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of phosphuret of iron, phosphate of lime, and alkaline phosphates."— <i>A communication to him from abroad by Edouard Aubertin, of Paris, France.</i> <i>Letters Patent sealed.</i>

- SIEVIER.**
19th September 1864. 2295. ROBERT WILLIAM SIEVIER, of 33, Soho Square, in the County of Middlesex, for an invention for—"Improvements in wheels and arranging them on their axles or shafts." *Letters Patent sealed.*
- FLUDE.**
19th September 1864. 2296. ROBERT FLUDE, of the Town and County of Leicester, Loom Builder, for an invention for—"Improvements in weaving ribbons and other narrow fabrics, and in looms or apparatus for the same." *Provisional protection only.*
- JESSEN.**
20th September 1864. 2297. CHARLES FERDINAND METKÉ JESSEN, of Robert Town, near Normanton, in the County of York, Silk Spinner, for an invention for—"Improvements in processes for treating, softening and preparing silk waste or pierced cocoons, which improvements are applicable to the treatment of other descriptions of fibrous materials." *Letters Patent sealed.*
- LAWRENCE.**
20th September 1864. 2298. WILLIAM LAWRENCE, of No. 9, Cornwall Villas, Paddington, in the County of Middlesex, Brewer's Engineer, for an invention for—"Improvements in apparatus for mashing and for cooling worts and other liquids." *Letters Patent sealed.*
- MENNONS.**
20th September 1864. 2299. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in aerial navigation and in the apparatus connected therewith."—*A communication from Gustave de Struve, Lieutenant Colonel of Engineers, and Nicolas de Telescheff, late Captain of Artillery of the Imperial Guard, persons resident at No. 19, Ofiterskaia, St. Petersburg, Russia.* *Letters Patent sealed.*
- SCHOTT.**
20th September 1864. 2300. JOHN BERNARD SCHOTT, of 92, London Road, Southwark, in the County of Surrey, Gentleman, for an invention for—"An improved envelope frame for the use of photographers and others." *Provisional protection only.*
- HIGGINS.**
20th September 1864. 2301. AMELIA HIGGINS, of 34, Freeschool Street, Parish of St. John's, Horsely Down, Southwark, for an invention for—"Improvements in embroidering or ornamenting woven or spun fabrics, applicable to articles of wearing-apparel, ornamental decorations of furniture and other similar purposes." *Provisional protection only.*
- BATES.**
20th September 1864. 2302. STEPHEN BATES, of New Radford, in the County of Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture of lace or other fabrics, and in the machinery or apparatus employed therein." *Letters Patent sealed.*
- ROBINSON.**
FRYER.
DYSON.
20th September 1864. 2303. CHARLES HENRY ROBINSON, JOHN FRYER, and ABRAHAM DYSON, all of Oldham, in the County of Lancaster, Mechanics, for an invention for—"Certain improvements in apparatus called 'gins' for cleaning seed cotton." *Letters Patent sealed.*
- STRUVÉ.**
20th September 1864. 2304. WILLIAM PRICE STRUVÉ, of Cum Avon, Taibach, South Wales, for an invention for—"Improvements in the manufacture of slabs or blocks of malleable iron." *Letters Patent sealed.*
- CLARK.**
20th September 1864. 2305. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the permanent way of railways."—*A communication to him from abroad by Constant Jouffroy Duméry, Civil Engineer, of 29, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- WILKINSON.**
20th September 1864. 2306. WILLIAM WILKINSON, of Cleveland Street, Fitzroy Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of threads or yarns applicable for weaving into fabrics, cordage, and other purposes, and in machinery appertaining to a part thereof." *Letters Patent sealed.*
- HOWELL.**
20th September 1864. 2307. CHARLES WELLINGTON HOWELL, of Leadenhall Street, in the City of London, Gentleman, for an invention for—"Improved means or apparatus for communicating from the passengers or driver to the guard of a railway train." *Letters Patent sealed.*
- BROOMAN.**
20th September 1864. 2308. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Cosme Garcia Saez, of Madrid, Spain.* *Provisional protection only.*
- ROGERS.**
20th September 1864. 2309. HENRY ROGERS, of Wolverhampton, in the County of Stafford, Merchant, for an invention for—"Improvements in skates."—*A communication to him from abroad by John Forbes, of Halifax, Nova Scotia.* *Letters Patent sealed.*

SMITH. 20th September 1864.	2310. EDMUND SMITH, of the Free Town of Hamburg, Germany, Gas Meter Manufacturer, for an invention for—"Improvements in wet gas-meters." <i>Letters Patent sealed.</i>
COOKE. 21st September 1864.	2311. LEONARD COOKE, of Horwich, in the County of Lancaster, Paper Manufacturer, for an invention for—"Improvements in the manufacture of paper cloth." <i>Provisional protection only.</i>
HOVENDEN. 21st September 1864.	2312. FREDERICK HOVENDEN, of 93, and 95, City Road, in the County of Middlesex, Perfumer, for an invention for—"Improvements in railway signal apparatus." <i>Provisional protection only.</i>
BAGGS. SIMPSON. 21st September 1864.	2313. ISHAM BAGGS, of Cambridge Terrace, Lower Road, Islington, Middlesex, Chemist, and WILLIAM SIMPSON, of Tovil-upper-Mills, Maidstone, Kent, Paper Manufacturer, for an invention for—"Improvements in the manufacture of chlorine." <i>Provisional protection only.</i>
COURCIER. 21st September 1864.	2314. JULIEN LOUIS COURCIER, of 51, Rue de Malte, Paris, in the Empire of France, Oil Manufacturer, for an invention for—"Improvements in apparatus for lubricating." <i>Letters Patent sealed.</i>
HUGHES. 21st September 1864.	2315. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved fan to be employed for ventilating and other purposes."— <i>A communication to him from abroad by Jean François Auguste Aërts, of Anvers, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
SCOTT. TUDOR. 21st September 1864.	2316. GEORGE SCOTT, junior, of Saint Helen's, in the County of Lancaster, Engineer, and JAMES TUDOR, of Weston, in the County of Chester, Engineer, for an invention for—"Improvements connected with the manufacture of 'salt cake.'" <i>Letters Patent sealed.</i>
BROOMAN. 21st September 1864.	2317. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of sugar and in apparatus employed therein."— <i>A communication to him from abroad by Adolphe Lequime, of Plagny, France.</i> <i>Provisional protection only.</i>
ROCHUSSEN. 21st September 1864.	2318. THEODORE ANTHONY ROCHUSSEN, of No. 9, Friday Street, Cheapside, in the City of London, for an invention for—"Improvements in the construction of furnaces for melting metals, in crucibles, and also in the construction of crucibles." <i>Provisional protection only.</i>
JOHNSON. 21st September 1864.	2319. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for the manufacture of cigars."— <i>A communication to him from abroad by Albert Reiniger, Cigar Manufacturer, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
YOUNG. 21st September 1864.	2320. EDWARD YOUNG, of Oughtibridge, near Sheffield, in the County of York, Fire Brick Manufacturer, for an invention for—"Improvements in the manufacture and application of fire-resisting cements and materials." <i>Provisional protection only.</i>
HOFMANN. 22nd September 1864.	2321. JULES ROBERT HOFMANN, of 35, Carnaby Street, Golden Square, in the County of Middlesex, Gentleman, for an invention for—"An improved disconnecting lever to release instantly any vehicle when the horses fall or run away." <i>Provisional protection only.</i>
WALSH. 22nd September 1864.	2322. JOHN HENRY WALSH, of Kensington, in the County of Middlesex, for an invention for—"Improvements in breech-loading rifles or fire-arms." <i>Provisional protection only.</i>
LAING. 22nd September 1864.	2323. SAMUEL LAING, of Millwall, Poplar, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for cutting or shearing metal or other material." <i>Letters Patent sealed.</i>
DORVAULT. 22nd September 1864.	2324. FRANÇOIS LAURENT MARIE DORVAULT, of No. 7, Rue de Jouy, in the City of Paris, France, Chemist, for an invention for—"A new or improved means of preventing the fouling of fire-arms." <i>Letters Patent sealed.</i>

- BUSSEY.**
22nd September 1864. **2325.** GEORGE GIBSON BUSSEY, of Dunn's Passage Factory, 485, New Oxford Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture and fixing of buttons, studs and bosses."
Complete specification; Letters Patent sealed.
- POTTER.**
22nd September 1864. **2326.** HAROLD POTTER, of the City of Manchester, Commission Agent, for an invention for—"Improvements in bleaching fibrous substances."
Letters Patent sealed.
- WATTS.**
22nd September 1864. **2327.** ISAAC WATTS, junior, of the City of Manchester, Commercial Clerk, for an invention for—"Improvements in the construction of burners for lamps."—*A communication to him from abroad by Theodore Bourne and James Edgar, both of the City, County, and State of New York, in the United States of America.*
Letters Patent sealed.
- CLARK.**
22nd September 1864. **2328.** JOHN CLARK, of the North London Railway Works, Bow, in the County of Middlesex, Engineer, for an invention for—"Improvements in axle-boxes and the means of operating the same, and in break blocks used therewith."
Letters Patent sealed.
- WALKER.**
WALKER.
22nd September 1864. **2329.** THOMAS WALKER, and THOMAS FERDINAND WALKER, both of Birmingham, in the County of Warwick, Engineers, for an invention for—"Improvements in means or apparatus for the utilization of sewage matters, part of which improvements is applicable to raising and forcing other fluids."
Letters Patent sealed.
- LISTER.**
22nd September 1864. **2330.** GEORGE LISTER, of Clement Street, Leamington, in the County of Warwick, Carpenter and Builder, for an invention for—"Improvements in fire-arms."
Provisional protection only.
- HANDCOCK.**
22nd September 1864. **2331.** ELIAS ROBISON HANDCOCK, of 23, Norfolk Street, Strand, in the County of Middlesex, Esquire, for an invention for—"Certain improvements in engines to be worked by steam or other motive-power."
Letters Patent sealed.
- LARCOM.**
22nd September 1864. **2332.** WILLIAM LARCOM, of Gosport, in the County of Hampshire, Leading Man of Shipwrights, for an invention for—"Improvements in protecting the sides and bottoms of ships and other structures of iron, and in materials to be employed therein."
Provisional protection only.
- BARR.**
22nd September 1864. **2333.** PETER BARR, of Milton Iron Works, West Hartlepool, in the County of Durham, for an invention for—"Improved machinery for moulding pipes."
Letters Patent sealed.
- RHODES.**
22nd September 1864. **2334.** JAMES RHODES, of Armley, near Leeds, in the County of York, for an invention for—"Improvements in adapting and applying pneumatic injectors to various useful purposes."
Provisional protection only.
- SLEIGH.**
23rd September 1864. **2335.** BURROWES WILLCOCKS ARTHUR SLEIGH, of 7, Alfred Place, Bedford Square, in the County of Middlesex, Esq^r, for an invention for—"Improvements in the means of obtaining continuous rotary motion by means of a hydrostatic rotatory motive-power engine for the propulsion of machinery."
Letters Patent sealed.
- HENRY.**
23rd September 1864. **2336.** MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in dyeing and tanning and in preparing for dyeing and printing."—*A communication to him from abroad by Flavie Victorine Augustine Autier, of 33, Boulevard Saint Martin, Paris, France.*
Letters Patent sealed.
- VALE.**
23rd September 1864. **2337.** HENRY VALE, of Birmingham, in the County of Warwick, Optician, for an invention for—"Improvements in the manufacture of eye protectors."
Letters Patent sealed.
- WOODBURY.**
23rd September 1864. **2338.** WALTER BENTLEY WOODBURY, of Manchester, in the County of Lancaster, Photographer, for an invention for—"An improved method of producing or obtaining by the aid of photography, surfaces in 'relievo' and 'intaglio,' upon aluminous, vitreous, metallic or other suitable materials."
Letters Patent sealed.
- PALMER.**
23rd September 1864. **2339.** WILLIAM PALMER, junior, of Southweald, in the County of Essex, for an invention for—"Improvements in the manufacture of candles."
Letters Patent sealed.
- KIDD.**
MATHER.
23rd September 1864. **2340.** JOHN HOWARD KIDD, and JAMES CHADWICK MATHER, both of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in floor cloth and in its manufacture."
Letters Patent sealed.

NEWTON. 23rd September 1864.	2341. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the mode of and machinery for manufacturing telegraphic cables."— <i>A communication to him from abroad by Daniel Hovey Southworth, of the City and State of New York, and Blase Lorillard and Charles Ferris, both of White Plains, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BRANDON. 23rd September 1864.	2342. ALEXANDER HORACE BRANDON, Engineer, of 13, Rue Gaillon, Paris, for an invention for—"Improvements in machinery for refining petroleum and other oils."— <i>A communication to him from William Porter Downer, Captain, of New York, United States of America.</i> <i>Provisional protection only.</i>
TODD. 24th September 1864.	2343. JOHN TODD, of Greenwich, in the County of Kent, Engineer, for an invention for—"Improvements in machines and machinery for rolling, bending and circling plates and sheets of metal." <i>Letters Patent sealed.</i>
BRIDGEWATER. 24th September 1864.	2344. HENRY BRIDGEWATER, of Watford, Herts, Civil Engineer, for an invention for—"An improved mode of manufacturing railway crossings." <i>Letters Patent sealed.</i>
CARTER. 24th September 1864.	2345. WILLIAM CARTER, of the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in the construction and arrangement of frames employed in the dressing of lace or other fabrics." <i>Letters Patent sealed.</i>
CLIMIE. 24th September 1864.	2346. DANIEL CLIMIE, of Shrewsbury, in the County of Salop, Engineer, for an invention for—"Improvements in life boats." <i>Provisional protection only.</i>
WORTLEY. VERNON. 24th September 1864.	2347. ARCHIBALD HENRY PLANTAGANET STUART WORTLEY, of Rosslyn House, Grove End Road, in the Parish of St. Marylebone, and The Honorable WILLIAM WARREN VERNON, of 35, Rutland Gate, Hyde Park, both in the County of Middlesex, for an invention for—"A new chemical process for producing photographic pictures, and in the preparation and manner of using the materials in such process."— <i>A communication to them from abroad by Jacob Wothly, of Aix-la-Chapelle, in the Kingdom of Prussia.</i> <i>Complete specification; Letters Patent sealed.</i>
BROOMAN. 24th September 1864.	2348. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for raising liquid from a natural or artificial fall of liquid."— <i>A communication to him from abroad by Pierre Samain, of Blois, France.</i> <i>Provisional protection only.</i>
GREENER. 24th September 1864.	2349. WILLIAM GREENER, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading arms and in cartridges to be employed therein." <i>Letters Patent sealed.</i>
ARTHUR. 24th September 1864.	2350. WILLIAM ARTHUR, of Atherington, in the County of Devon, Commander in the Royal Navy, for an invention for—"Improvements in compasses or apparatus for registering the course steered by a vessel during any given period." <i>Provisional protection only.</i>
WHITTLE. 24th September 1864.	2351. WILLIAM WHITTLE, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in machinery for the manufacture of nails, spikes, rivets and screw-blanks." <i>Letters Patent sealed.</i>
STROUD. 24th September 1864.	2352. JOHN THOMAS STROUD, of Birmingham, in the County of Warwick, General Lamp and Chandelier Manufacturer, for an invention for—"Certain improvements in the means and materials used in representing the glass parts of gas and lamp fittings and chandeliers, as well as the representing of lustres and other articles of glass on show cards, pattern books and other illustrations relating to the same." <i>Letters Patent sealed.</i>
HATTERSLEY. 24th September 1864.	2353. ROBERT HATTERSLEY, of the City of Manchester, in the County of Lancaster, Engineer and Machinist, for an invention for—"Improvements in portable warming apparatus." <i>Letters Patent sealed.</i>
WHEELER. GLOYN. 26th September 1864.	2354. GEORGE PRINTY WHEELER, of Abinghall, in the County of Gloucester, Engineer, and JOHN FOX GLOYN, of the City of Manchester, in the County of Lancaster, Agent and Accountant, for an invention for—"Improvements in the preparation and application of certain materials for the purpose of cleaning and polishing the surfaces of metals, which are also applicable to other purposes." <i>Letters Patent sealed.</i>

- DE FONTAINE-MOREAU.
26th September 1864. 2355. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in machinery for cutting files."—*A communication from Pierre Alexandre Chacot, a person resident at 17, Rue Croix des Petits Champs, Paris, in the Empire of France.*
Letters Patent sealed.
- OSTLER.
26th September 1864. 2356. EDWARD OSTLER, of Newport, in the County of Monmouth, for an invention for—"Improvements in apparatus for brushing the hair."
Provisional protection only.
- SCOTT.
26th September 1864. 2357. WILLIAM SCOTT, of Belfast, in the County of Antrim, Ireland, Engineer, for an invention for—"Improvements in apparatus for casting iron pipes."
Letters Patent sealed.
- FERGUS.
26th September 1864. 2358. JOHN FERGUS, of Whitby, in the County of York, Ship Smith, for an invention for—"Improvements in reefing, furling and setting the sails of ships and vessels."
Provisional protection only.
- ALEXANDER-NATION.
26th September 1864. 2359. LEWSON ALEXANDER, and WILLIAM BRYER NATION, of West Ham Lane, in the Parish of West Ham, Essex, for an invention for—"A mode of separating the pitch and spirituous oils from all matters containing them."
Letters Patent sealed.
- HARRISON.
26th September 1864. 2360. JOHN ATKINSON HARRISON, of the Town and County of Newcastle upon Tyne, Civil Engineer, for an invention for—"Improvements in applying to useful purposes the slag or scoria of blast furnaces and other furnaces used for smelting or melting metals and metallic ores."
Provisional protection only.
- MACKAY.
27th September 1864. 2361. JAMES MACKAY, of Aighburth, near Liverpool, in the County of Lancaster, for an invention for—"Certain improvements in projectiles to be employed in ordnance, and in the manufacture of the same."
Complete specification; Letters Patent sealed.
- CLARK.
27th September 1864. 2362. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of actuating electric dials or clocks."—*A communication to him from abroad by Anatole Jean Baptiste Lesieur and Pierre Désiré Prud'homme, Mathematical Instrument Maker, both of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- HILL.
27th September 1864. 2363. JOSEPH HILL, of Ipswich, in the County of Suffolk, Wire Worker, for an invention for—"Improvements in screens and sieves, and in apparatus connected therewith."
Letters Patent sealed.
- BENNISON.
27th September 1864. 2364. HENRY BENNISON, of Burrage Road, Plumstead, in the County of Kent, and of Hobart Town, Tasmania, Gentleman, for an invention for—"Improvements in fluid meters."—*Partly his own invention and partly a communication to him from abroad by Frederick Arundel Downing, of Hobart Town, Tasmania.*
Letters Patent sealed.
- BARTLEET.
27th September 1864. 2365. ROBERT SMITH BARTLEET, of Redditch, in the County of Worcester, Manufacturer, for an invention for—"Improvements in the manufacture of needles and in machinery to be used in the said manufacture."
Provisional protection only.
- SYMONS.
27th September 1864. 2366. HENRY CYRUS SYMONS, of George Street, Blackfriars Road, in the County of Surrey, Machinist, for an invention for—"Improvements in sewing-machines and the means of giving motion thereto."
Letters Patent sealed.
- ADAMS.
27th September 1864. 2367. ARTHUR JOHN ADAMS, of Fore Street, Devonport, in the County of Devon, for an invention for—"Improvements in door locks."
Provisional protection only.
- ORTH.
27th September 1864. 2368. WILLIAM HENRY ORTH, of Althorne, in the County of Essex, Gentleman, for an invention for—"An improved article of furniture."
Letters Patent sealed.
- CORNISH.
27th September 1864. 2369. GEORGE BISHOP CORNISH, of New York, in the United States of America, Master Mariner, for an invention for—"Improvements in applying copper, 'yellow metal' or other metal sheathing to iron or steel ships, and other navigable vessels built of iron or steel."
Complete specification; Letters Patent sealed.
- BROOMAN.
27th September 1864. 2370. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in hooped skirts or petticoats."—*A communication to him from abroad by Samuel Maynard, of New York, United States of America.*
Letters Patent sealed.

HARRISS. 27th September 1864.	2371. JAMES PLAISTER HARRISS, of Stanley Hall, in the County of York, Esquire, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
PARKES. 27th September 1864.	2372. ISRAEL PARKES, of West Bromwich, in the County of Stafford, Iron Master, for an invention for—"Improvements in shears for cutting metal." <i>Provisional protection only.</i>
LANE. 27th September 1864.	2373. KEDGWIN HOSKINS LANE, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Improvements in cases or receptacles for photographs." <i>Letters Patent sealed.</i>
WILSON. 27th September 1864.	2374. JOHN CHARLES WILSON, of East India House, 5, Lime Street, London, County of Middlesex, Civil and Mechanical Engineer, for an invention for—"Improvements in pumps." <i>Letters Patent sealed.</i>
LISTER. 28th September 1864.	2375. JAMES LISTER, of Clare, in the County of Suffolk, Civil Engineer, for an invention for—"Improvements in theodolites, levels and other instruments, which improvements are more especially applicable to setting out surface-widths of railway slopes or other inclined planes." <i>Letters Patent sealed.</i>
FORBES. FORBES. 28th September 1864.	2376. HORACE FORBES, on board the Gem of the Nith, London Docks, County of Middlesex, and HUGH FORBES, of 6, Aberdeen Place, Maida Hill, County of Middlesex, for an invention for—"Improvements in apparatus for steering ships or vessels." <i>Letters Patent sealed.</i>
MACHON. 28th September 1864.	2377. CASPER JOCHIM WILHELM MACHON, of Gresham Street, in the City of London, for an invention for—"Improvements in the manufacture of crinolines and in the machinery or apparatus connected therewith."— <i>A communication to him from abroad by Otto Langenbeck and Fritz Langenbeck, both of Barmen, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
DAVIES. 28th September 1864.	2378. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 23, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"The employment and application of thin strips or sheets of wood for various new and useful purposes."— <i>A communication to him from abroad by Henry Louis Charlemagne Lhuillier, of Paris.</i> <i>Letters Patent sealed.</i>
POWELL. 28th September 1864.	2379. THOMAS POWELL, of Preston, in the County of Lancaster, Biscuit Manufacturer, for an invention for—"Improved apparatus used in ovens for baking." <i>Letters Patent sealed.</i>
WHITEHEAD. 28th September 1864.	2380. WILLIAM WHITEHEAD, of Crossland Moor, near Huddersfield, in the County of York, Designer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
CLARK. 28th September 1864.	2381. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in fastenings for purses, boxes and other articles."— <i>A communication to him from abroad by Salomon Sturm, Optician, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
PEMBERTON. FORD. 28th September 1864.	2382. ALFRED PEMBERTON, of Eccles, in the County of Lancaster, Agent, and JOHN FORD, of Ordsall Lane, Salford, in the said County, Manager, for an invention for—"Improvements in apparatus for effecting the drag in throstle spinning and doubling." <i>Provisional protection only.</i>
JONGEN. 28th September 1864.	2383. JEAN JONGEN, of Liège, in the Kingdom of Belgium, Gun Manufacturer, for an invention for—"Improvements in the construction of fire-arms." <i>Letters Patent sealed.</i>
WEEMS. WEEMS. 28th September 1864.	2384. JOHN WEEMS, and WILLIAM WEEMS, of Johnstone, in the County of Renfrew, North Britain, Engineers, for an invention for—"Improvements in engine governors and in apparatus for indicating and regulating the flow of fluids and liquids." <i>Letters Patent sealed.</i>
THOMPSON. 28th September 1864.	2385. NATHAN THOMPSON, of Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in stoppers for bottles and other vessels." <i>Letters Patent sealed.</i>

- MACKENZIE.**
28th September 1864. 2386. HENRY AUGUSTIN ORNANO MACKENZIE, of Grasmere Lodge, Uckfield, in the County of Sussex, Civil Engineer, for an invention for "Improvements in the construction and manufacture of rollers and wheels for drawing fibrous materials and for other purposes." *Letters Patent sealed.*
- DENNE.**
28th September 1864. 2387. THOMAS JAMES DENNE, of Mile End, in the County of Middlesex, Manufacturer, for an invention for—"An improved method of protecting the sides and bottoms of iron ships and other submerged iron structures." *Provisional protection only.*
- ALLEN.**
th September 1864. 2388. CHARLES WILLIAM ALLEN, of Hoddesdon, in the County of Hertford, for an invention for—"New or improved arrangements or mechanism for communicating between any passenger and the guard and engine driver of a railway train." *Letters Patent sealed.*
- NORMANDY.**
28th September 1864. 2389. ALPHONSE NORMANDY, of Montague Place, Clapham Road, in the County of Surrey, for an invention for—"Improvements in ships' hearths or cooking apparatus."—*A communication to him by the inventor, his late Father, Alphonse René le Mire de Normandy, and is the same invention as that for which he obtained provisional protection on the 15th day of April last.* *Provisional protection NOT granted.*
- SCHNEUHR.**
29th September 1864. 2390. JACOB SCHNEUHR, of Saint Petersburg, in the Empire of Russia, but now residing at Alderman's Walk, in the City of London, Merchant, for an invention for—"Improvements in apparatus for counting coins of money and other similar articles, and indicating the number thereof." *Provisional protection only.*
- CUTHELL.**
29th September 1864. 2391. ALEXANDER CUTHELL, of Lancaster, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of slide and cut-off valves for steam engines." *Letters Patent sealed.*
- CROWTHER.**
29th September 1864. 2392. WILLIAM CROWTHER, of Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for opening and cleaning cotton." *Provisional protection only.*
- DEFRIES.**
29th September 1864. 2393. COLEMAN DEFRIES, of the firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Manufacturer, for an invention for—"Improvements in lighting and ventilating." *Provisional protection only.*
- WATTS.**
29th September 1864. 2394. JOSEPH WATTS, of Coventry, in the County of Warwick, Accountant Clerk, for an invention for—"Improvements in apparatus to be used in the fermentation of wort and other fermentable liquids." *Provisional protection only.*
- ALLEY.**
29th September 1864. 2395. STEPHEN ALLEY, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in ratchet drilling braces and screw keys or wrenches." *Letters Patent sealed.*
- HASELTINE.**
29th September 1864. 2396. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for breaking and grinding ores, minerals, bones and other hard substances."—*A communication to him from abroad by the "Boston Milling and Manufacturing Company," of Massachusetts, in the United States of America.* *Complete specification; Letters Patent sealed.*
- HASELTINE.**
29th September 1864. 2397. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in labels or tags for cotton and other bales."—*A communication to him from abroad by Edward Augustus Locke, of Boston, Massachusetts, United States of America.* *Complete specification; Letters Patent sealed.*
- BENNETT.**
29th September 1864. 2398. THOMAS BENNETT, of Old Uttoxeter Road, Derby, for an invention for—"Improvements in kilns for burning quarries, tiles, bricks and other articles." *Letters Patent sealed.*
- ALLIX.**
29th September 1864. 2399. GEORGE ALLIX, of Jersey, Shipwright, for an invention for—"Improvements in reefing topsails and top gallant sails, and in apparatus employed therein." *Letters Patent sealed.*
- BROOMAN.**
29th September 1864. 2400. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in printing cylinders or rollers."—*A communication to him from abroad by Edouard Hofer Grosjean, of Mulhouse, France.* *Letters Patent sealed.*

LINDSLEY. 29th September 1864.	2401. GEORGE LINDSLEY, of Paddington, in the County of Middlesex, Engineer, for an invention for—"Improvements in break blocks." <i>Letters Patent sealed.</i>
HARRINGTON. HEWETSON. HEWETSON. 29th September 1864.	2402. GEORGE HENRY HARRINGTON, of Leadenhall Street, in the City of London, Naval Architect, and HENRY HEWETSON, junior, and FRANCIS YATES HEWETSON, of Old Fish Street, in the same City, Sail Cloth Manufacturers, for an invention for—"Improvements in preparing threads and yarns to be employed in the manufacture of sail cloth." <i>Letters Patent sealed.</i>
HURRY. WILSON. 30th September 1864.	2403. HENRY COLUMBUS HURRY, of Hereford, in the County of Hereford, Civil Engineer, and EDWARD WILSON, of Worcester, in the County of Worcester, Civil Engineer, for an invention for—"Improvements in rifles and other small arms." <i>Provisional protection only.</i>
HENSON. 30th September 1864.	2404. WILLIAM FREDERICK HENSON, of 15, New Cavendish Street, Portland Place, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in railway carriage buffer and other springs." <i>Letters Patent sealed.</i>
VINE. 30th September 1864.	2405. JAMES VINE, of Trinity Street, in the County of Middlesex, Brush Maker, for an invention for—"New or improved arrangements for giving buoyancy to and facility for the propulsion of ships, vessels or floating bodies." <i>Provisional protection only.</i>
PENDLEBURY. 30th September 1864.	2406. JOHN TOMLINSON PENDLEBURY, of Elton, within Bury, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for ginning cotton." <i>Letters Patent sealed.</i>
CROLL. 30th September 1864.	2407. ALEXANDER ANGUS CROLL, of Coleman Street, in the City of London, Civil Engineer, for an invention for—"Improvements in the treatment of sulphate of alumina." <i>Letters Patent sealed.</i>
KEER. 30th September 1864.	2408. HENRY JOSEPH KEER, of the City of Norwich, Shoe Manufacturer, a Copartner in the firm of Francis Robert Steadman, and Henry Joseph Keer, of the City of Norwich, aforesaid, Shoe Manufacturers, and Copartners trading under the name and style of Edwin Walter Lulham and Company, for an invention for—"Improvements in ladies' boots." <i>Provisional protection only.</i>
GUMPEL. 30th September 1864.	2409. CHARLES GODFREY GUMPEL, of Leicester Square, in the County of Middlesex, Anatomical Mechanist, for an invention for—"Improvements in anatomical or surgical appliances for the support of parts of the human body." <i>Provisional protection only.</i>
GRAVELEY. 30th September 1864.	2410. WILLIAM HENRY GRAVELEY, of Upper East Smithfield, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in steam machinery and sea-water distilling apparatus, all for use on board ships." <i>Letters Patent sealed.</i>
BROOMAN. 30th September 1864.	2411. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in rendering soluble, blue, violet and red colors, in crystals derived from aniline, toluidine, naphthaline, naphthylamine, and phenic acid."— <i>A communication to him from abroad by Alcide François Poirrier, of Montmorency, France.</i> <i>Provisional protection only.</i>
JENNINGS. 30th September 1864.	2412. JAMES JENNINGS, of Coventry Street, Haymarket, in the County of Middlesex, for an invention for—"Improvements in mounting rotary hair brushes." <i>Provisional protection only.</i>
JOHNSON. 30th September 1864.	2413. JOHN JOHNSON, of Runcorn, in the County of Chester, Soap and Alkali Manufacturer, for an invention for—"Improvements in decomposing common salt with sulphuric acid, in the manufacture of soda and muriatic acid." <i>Provisional protection only.</i>
NEWTON. 30th September 1864.	2414. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for embossing, punching, cutting out, folding and finishing collars, cuffs, wristbands and other articles, from paper, paper cloth and other fabrics."— <i>A communication to him from abroad by Henry Francis Knapp, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
CLARK. 30th September 1864.	2415. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in vehicles."— <i>A communication to him from abroad by Constant Joffroy Duméry, Civil Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>

- HANDS.**
1st October 1864. 2416. RICHARD MEDWIN HANDS, of Coventry, in the County of Warwick, for an invention for—"Improvements in machinery or apparatus for dressing, finishing and lustring yarns and threads of silk." *Provisional protection only.*
- GRIMSHAW.**
1st October 1864. 2417. JOHN SMALLEY GRIMSHAW, of Huncoat, near Accrington, in the County of Lancaster, Spinner and Manufacturer, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- WINTON.**
1st October 1864. 2418. PETER WINTON, of Thorn, near Falkirk, in the County of Sterling, North Britain, Engineer, for an invention for—"Improvements in reaping or mowing machines." *Letters Patent sealed.*
- GREENING.**
GREENING.
SHIELD.
1st October 1864. 2419. EDWARD OWEN GREENING, and JOSEPH GREENING, of the City of Manchester, in the County of Lancaster, Wire Manufacturers, and HENRY SHIELD, of the same place, Wire Worker, for an invention for—"Improvements in the manufacture of fences and other similar articles of wire, and in machinery for making the same." *Provisional protection only.*
- LOYSEL.**
1st October 1864. 2420. EDWARD LOYSEL, of Park Place, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for obtaining extracts from tea, coffee and other vegetable substances." *Letters Patent sealed.*
- DRUCE.**
1st October 1864. 2421. HENRY DRUCE, of the City and County of Oxford, Solicitor, for an invention for—"Improvements in the construction of ladders." *Letters Patent sealed.*
- JOHNSON.**
1st October 1864. 2422. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for coating and flocking fabrics."—*A communication to him from abroad by Edwin Marcus Chaffee, of Providence, in the State of Rhode Island, United States of America.* *Letters Patent sealed.*
- GISBORNE.**
1st October 1864. 2423. FREDERIC NEWTON GISBORNE, of No. 3, Adelaide Place, London Bridge, in the City of London, Engineer and Electrician, for an invention for—"Improvements in the means of working electric signals for gunnery practice." *Letters Patent sealed.*
- CLARK.**
1st October 1864. 2424. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improvement in the manufacture of twisted silk."—*A communication to him from abroad by John Edwin Atwood and Goodrich Holland, Manufacturers, both of Mansfield, County of Tolland, State of Connecticut, United States of America.* *Letters Patent sealed.*
- BEAUMONT.**
1st October 1864. 2425. WILLIAM HENRY BEAUMONT, of Reading, in the County of Berks, Traveller to the Reading Iron Works, limited, for an invention for—"An improved sack holder, and a combined sack holder and cart or truck combined." *Provisional protection NOT granted.*
- GEDGE.**
3rd October 1864. 2426. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of hinges."—*A communication to him from abroad by François Goday, of Pont Audemer, France, Hinge Manufacturer.* *Provisional protection only.*
- CASHMORE.**
CASHMORE.
3rd October 1864. 2427. LUKE CASHMORE, and CHARLES CASHMORE, both of Mill Street, Loughborough, in the County of Leicester, Needle Manufacturers, for an invention for—"Improvements in the manufacture or production of needles employed in knitting machinery." *Provisional protection only.*
- BROOMAN.**
3rd October 1864. 2428. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"The manufacture of a substitute for albumen."—*A communication to him from abroad by Charles Kestner, of Thann, France.* *Letters Patent sealed.*
- BATEMAN.**
3rd October 1864. 2429. SAMUEL BATEMAN, of Bradford, in the County of York, Gentleman, for an invention for—"Improvements in brakes for railway carriages." *Letters Patent sealed.*
- COWLES.**
3rd October 1864. 2430. WALTER SMITH COWLES, of the City of New York, in the United States of America, for an invention for—"An improvement in means for adapting casks and analogous structures to retain petroleum, naphtha and the like fluids."—*A communication from Louis Spicer Robbins, a person resident at New York, aforesaid.* *Complete specification; Letters Patent sealed.*

BOUSFIELD. 3rd October 1864.	2431. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery used in manufacturing or separating coir fibre from the husk of the cocoa nut."— <i>A communication to him from abroad by David Wilson, of Colombo, in the Island of Ceylon.</i> <i>Letters Patent sealed.</i>
LAMING. 4th October 1864.	2432. RICHARD LAMING, of Priory Road, Kilburn, West Hampstead, in the County of Middlesex, for an invention for—"Improvements in making ammoniacal preparations." <i>Letters Patent sealed.</i>
JOHNSON. 4th October 1864.	2433. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in transmitting motive-power and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Emile Barrault, of Paris, in the Empire of France, Civil Engineer.</i> <i>Provisional protection only.</i>
SHETHER. 4th October 1864.	2434. CHARLES SHETHER, of Edmund's Place, Aldersgate Street, in the City of London, Manufacturing Stationer, for an invention for—"Improvements in fastenings for purses, books and other articles." <i>Provisional protection only.</i>
CALLARD. 4th October 1864.	2435. THOMAS KARR CALLARD, of Blenheim Terrace, St. John's Wood, in the County of Middlesex, Confectioner, for an invention for—"Improvements in ventilators." <i>Provisional protection only.</i>
STANDLY. PROSSER. 4th October 1864.	2436. HENRY JOHN STANDLY, of Cockspur Street, in the City of Westminster, and WILLIAM PROSSER, of Saint John's Wood, in the County of Middlesex, Gentlemen, for an invention for—"Improvements in welding iron and other metals." <i>Provisional protection only.</i>
HASELTINE. 4th October 1864.	2437. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam-engines."— <i>A communication to him from abroad by Thomas Silver, of New York City, United States, but now residing at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
SWINBURNE. 4th October 1864.	2438. THOMAS ANTHONY SWINBURNE, Commander in Her Majesty's Royal Navy, at present residing at Eilan Shona, in the County of Inverness, North Britain, for an invention for—"Improvements relating to the reefing and furling of ships, sails." <i>Letters Patent sealed.</i>
DAVIES. 4th October 1864.	2439. EDWARD DAVIES, of Chowbent, in the County of Lancaster, Screw Bolt Manufacturer, for an invention for—"Certain improvements in machinery or apparatus for forming screw threads." <i>Provisional protection only.</i>
DOBSON. 4th October 1864.	2440. THOMAS DOBSON, of Crewe, in the County of Chester, Joiner and Builder, for an invention for—"Certain improvements in the manufacture of bricks, tiles and similar articles." <i>Letters Patent sealed.</i>
MONRO. 4th October 1864.	2441. ALEXANDER MONRO, of Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved mode of and apparatus for heating steam-boilers." <i>Letters Patent sealed.</i>
BOUSFIELD. 4th October 1864.	2442. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in harvesting machines."— <i>A communication to him from abroad by Thomas Jefferson Tindall, of New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
JOHNSON. JOHNSON. 4th October 1864.	2443. JOHN JOHNSON, and THOMAS JOHNSON, both of Runcorn, in the County of Chester, Soap and Alkali Manufacturers, for an invention for—"Improvements in purifying resin and resinous substances." <i>Letters Patent sealed.</i>
REID. 4th October 1864.	2444. CHARLES HENRY REID, of 3, East India Avenue, in the City of London, Merchant, for an invention for—"Improvements in preventing leakage of the tubes of tubular boilers, and other tubular steam and water apparatus."— <i>A communication to him from abroad by Edward Clark, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
GREENWAY. 4th October 1864.	2445. CHARLES GREENWAY, of Albert Place, Cheltenham, in the County of Gloucester, for an invention for—"Improvements in railway turn-tables." <i>Letters Patent sealed.</i>

- BONNEVILLE.**
5th October 1864. 2446. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in certain descriptions of locks, latches and other means for closing doors and for similar uses."—*A communication from Auguste Cosimir Lehot, a person residing at Paris, in the Empire of France, aforesaid.* Letters Patent sealed.
- DAVIES.**
5th October 1864. 2447. EDWARD DAVIES, of Chowbent, in the County of Lancaster, Screw Bolt Manufacturer, for an invention for—"Improvements in machinery or apparatus for forging and shaping articles of iron, which is more particularly applicable to forging bolts, nuts and rivets." Provisional protection only.
- JOHNSON.**
5th October 1864. 2448. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in muffles or ovens to be employed in the manufacture of looking glasses or mirrors."—*A communication to him from abroad by The Society Randal Cresswell, Alfred Tavernier and Edouard Dodé, of Paris, in the Empire of France.* Provisional protection only.
- COMMUNAY.**
5th October 1864. 2449. JEAN OSCAR COMMUNAY, of No. 114, Rue de la Pepinière, Paris, France, Civil Engineer, for an invention for—"Improvements in affixing the handle to shovels and spades."—*Partly a communication made to him by Antoine Garaboux, a person residing at No. 58, Rue de Levis, Paris, France, a Blacksmith, and partly an invention and discovery made by him.* Letters Patent sealed.
- CASTREE.**
5th October 1864. 2450. GEORGE HENRY CASTREE, of the City of Manchester, in the County of Lancaster, Silk Manufacturer, for an invention for—"Improvements in looms for weaving." Provisional protection only.
- BROMWICH.**
5th October 1864. 2451. BRYAN L'ANSON BROMWICH, of Birmingham, in the County of Warwick, Gentleman, for an invention for—"Improvements in obtaining and applying motive-power." Provisional protection only.
- CONANT.**
5th October 1864. 2452. HEZEKIAH CONANT, of Willimantic, in the United States of America, at present residing at Morley's Hotel, Strand, in the County of Middlesex, for an invention for—"Improvements in machinery for winding thread on bobbins or spools." Letters Patent sealed.
- BROWN.**
6th October 1864. 2453. THOMAS BROWN, of No. 4, Dagmar Road, South Hackney, in the County of Middlesex, Engineer, for an invention for—"An improved cap designed for increasing the upward draft of chimneys, and for ventilating ships and buildings." Letters Patent sealed.
- GIBSON.**
6th October 1864. 2454. JOHN WILLIAM GIBSON, of No. 1, Carlisle Terrace, Dublin, for an invention for—"Improvements in working the slide valves of steam and other engines." Provisional protection only.
- HUGHES.**
6th October 1864. 2455. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in looms for weaving."—*A communication to him from abroad by Etienne Veyrier and Paul Garde, of the firm of Veyrier, Garde and Co., of Lyons, in the Empire of France.* Provisional protection only.
- TOLHAUSEN.**
6th October 1864. 2456. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, Civil Engineer and Patent Agent, for an invention for—"Improvements in apparatus for transmitting signals."—*A communication from Pietro-Ambjorn, Count Sparre, a person resident at Stockholm, Sweden.* Letters Patent sealed.
- OLIVER.**
6th October 1864. 2457. CHARLES LANGFORD OLIVER, of Child-Okeford, near Blandford, in the County of Dorset, for an invention for—"Improved apparatus for brushing the hair." Provisional protection only.
- TURNER.**
6th October 1864. 2458. THOMAS TURNER, junior, of the firm of Turner and Son, Gun Manufacturers and Government Contractors, of Fisher Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in breech-loading fire-arms, and which said improvements are also applicable for the conversion of muzzle-loading fire-arms into breech-loaders." Letters Patent sealed.
- HUNTZINGER.**
6th October 1864. 2459. EMMANUEL VINCENT FRÉDÉRIC HUNTZINGER, junior, of 2, Rue Ste. Appoline, Paris, France, Mathematical Instrument Maker, for an invention for—"Improvements in compasses." Provisional protection only.

MARGULIES. LEATHER. 6th October 1864.	2460. BENEDICT MARGULIES, of Trieste, in the Empire of Austria, but now residing at St. Helen's, in the County of Lancaster, Chemist, and JOHN KNOWLES LEATHER, of the same place, manufacturing Chemist, for an invention for—"Improvements in the manufacture of chromates and bichromates." <i>Letters Patent sealed.</i>
ANDERSON. 6th October 1864.	2461. WILLIAM ANDERSON, of Dublin, in the Kingdom of Ireland, Engineer, for an invention for—"Improved apparatus for working railway signals." <i>Letters Patent sealed.</i>
NELSON. 6th October 1864.	2462. HENRY NELSON, of Old Broad Street, in the City of London, Merchant, for an invention for—"Improvements in machinery for pressing cotton and other materials."— <i>A communication to him from abroad by Alexander Forrester Brown, of Madras, in the East Indies.</i> <i>Letters Patent sealed.</i>
SHEILDS. 6th October 1864.	2463. FRANCIS WEBB SHEILDS, Civil Engineer, of No. 3, Delahay Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in telegraphic posts." <i>Letters Patent sealed.</i>
DE FONTAINE-MOREAU. 6th October 1864.	2464. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in machinery for propelling."— <i>A communication from Pierre Charles Nesmond, a person resident at 45, Rue des Vieux Augustins, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
DE FONTAINE-MOREAU. 6th October 1864.	2465. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in photography for obtaining images direct on cloth and other materials."— <i>A communication from Jean Nicolas Truchelut, a person resident at 27, Rue de Grenelle St. Honoré, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
STEEVENS. 7th October 1864.	2466. WILLIAM STEEVENS, of the Godolphin Road, Hammersmith, for an invention for—"Improvements in steam-engines and implements for the cultivation of the land by steam power." <i>Provisional protection only.</i>
TURNER. 7th October 1864.	2467. JOHN PEMBERTON TURNER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of certain kinds of metallic buttons."— <i>A communication to him from abroad by Pierre Labat, of Belleville, Paris, in the Empire of France, Machinist.</i> <i>Letters Patent sealed.</i>
PARKINS. 7th October 1864.	2468. THOMAS PARKINS, of Robert Town, near Normanton, in the County of York, for an invention for—"Improvements in apparatus used in the manufacture of prussiates of potash." <i>Provisional protection only.</i>
MUIR. 7th October 1864.	2469. ANDREW MUIR, of the City of London, in the County of Middlesex, and of the City of Manchester, in the County of Lancaster, Consulting Engineer and Machinist, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
CLARK. 7th October 1864.	2470. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in preparing or treating vegetable fibrous materials."— <i>A communication to him from abroad by Hubert Dupré, Gentleman, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
DAVIES. 7th October 1864.	2471. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in oiling wool."— <i>A communication to him from abroad by Benjamin Head Lightfoot, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
HASELTINE. 7th October 1864.	2472. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process for purifying coal and ores."— <i>A communication to him from abroad by Benjamin Franklin Penniman, of the City, County, and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
CHAPMAN. 7th October 1864.	2473. CHARLES CHAPMAN, of No. 3, Leadenhall Street, in the City of London, Master Mariner, for an invention for—"Improvements in life boats." <i>Letters Patent sealed.</i>

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| <p>ALLEN.
7th October 1864.</p> <p>KENYON.
7th October 1864.</p> <p>PROWSE.
DUKE.
CLAYTON.
7th October 1864.</p> <p>KEMP.
KEMP.
7th October 1864.</p> <p>JACKSON.
7th October 1864.</p> <p>DONOVAN.
O'FARRELL.
O'FARRELL.
8th October 1864.</p> <p>NEWTON.
8th October 1864.</p> <p>COLEMAN.
MORTON.
8th October 1864.</p> <p>BOLTON.
8th October 1864.</p> <p>HANDS.
10th October 1864.</p> <p>BECKTON.
10th October 1864.</p> <p>GARDNER.
10th October 1864.</p> <p>COLLETTE.
10th October 1864.</p> <p>CASSELL.
10th October 1864.</p> | <p>2474. EDWIN ALLEN, of Radcliffe Hall, in the County of Lancaster, for an invention for—"Improvements in driving-bands and chains, and in the method of piecing, connecting or repairing the same." <i>Provisional protection only.</i></p> <p>2475. THOMAS KENYON, the younger, of Miles Platting, Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in preparing, fixing and mordanting cloth and yarns." <i>Provisional protection only.</i></p> <p>2476. ROBERT SAUNDERS PROWSE, Ship Owner, HENRY DUKE, Ship-Smith, and THOMAS CLAYTON, Bookkeeper, all of Liverpool, in the County of Lancaster, for an invention for—"Improvements in "ordnance" and small arms." <i>Provisional protection only.</i></p> <p>2477. HENRY KEMP, and FRANCIS JOHN KEMP, of Holloway Road, in the County of Middlesex, Gentlemen, for an invention for—"Improvements in the preparation and hardening of leather for boot and shoe soles, straps and bands and other purposes." <i>Letters Patent sealed.</i></p> <p>2478. ADDIS JACKSON, of Aynscomb House, Orpington, in the County of Kent, for an invention for—"Improvements in constructing and arming ships and other vessels or floating bodies." <i>Provisional protection only.</i></p> <p>2479. RICHARD EDWARD DONOVAN, of Court Duffe, at Castlenock, in the County of Dublin, Ireland, Gentleman, and MATTHEW O'FARRELL, and FRANCIS O'FARRELL, both of King Street, in the City and County of Dublin, Tobacco Manufacturers, for an invention for—"Improvements in machinery or apparatus for rolling and twisting tobacco, also applicable to the rolling and twisting of hemp, flax, wool, cotton and other fibrous substances." <i>Provisional protection only.</i></p> <p>2480. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of projectiles."—<i>A communication to him from abroad by James Finlay, of Cold Spring, in the State of New York, United States of America.</i> <i>Provisional protection only.</i></p> <p>2481. HENRY SEPTIMUS COLEMAN, and ALFRED GEORGE EDWIN MORTON, both of Chelmsford, in the County of Essex, Agricultural Engineers, for an invention for—"Improvements in the application of steam power to the cultivation of land, and in the rope drums used for such purposes." <i>Letters Patent sealed.</i></p> <p>2482. GERALD NOEL BOLTON, of the Pines, Torquay, in the County of Devon, Major in the Waterford Artillery, for an invention for—"Improvements in rifles and other fire-arms.—<i>A communication to him from abroad by the inventor, Jean Dautzat, of the Cours Imperial, Saintes, in the Empire of France.</i> <i>Provisional protection only.</i></p> <p>2483. RICHARD MEDWIN HANDS, of Coventry, in the County of Warwick, for an invention for—"Improvements in machinery or apparatus for dressing, finishing and lustring yarns and threads of silk, cotton and other fibrous substances." <i>Letters Patent sealed.</i></p> <p>2484. JAMES GEORGE BECKTON, of Whitby, in the County of York, Civil Engineer, for an invention for—"Improvements in heating retort and other ovens for the distillation of shale, coal and other substances." <i>Letters Patent sealed.</i></p> <p>2485. WILLIAM GARDNER, of 118, Lever Street, in the parish of Saint Luke's, in the County of Middlesex, for an invention for—"Improvements in iron safes for the preservation of property from robbery and fire." <i>Letters Patent sealed.</i></p> <p>2486. CHARLES HASTINGS COLLETTE, of No. 57, Lincoln's Inn Fields, in the County of Middlesex, Solicitor, for an invention for—"Improvements in magneto-electric machines."—<i>A communication to him from abroad by Theodore Fauchez, of No. 10, Avenue Trudaine, Paris, in the Empire of France.</i> <i>Letters Patent sealed; no specification filed.</i></p> <p>2487. JOHN CASSELL, of La Belle Sauvage Yard, in the City of London, Publisher, for an invention for—"Improvements in treating coal, peat, shale, wood and ligneous products, and in obtaining fuel, oil and other products therefrom." <i>Letters Patent sealed.</i></p> |
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VAILE. 10th October 1864.	2488. SAMUEL VAILE, of Basinghall Street, in the City of London, Merchant, for an invention for—"Improvements in propellers and in propelling ships and other vessels." <i>Provisional protection only.</i>
SHOREY. BELL. 10th October 1864.	2489. THOMAS SHOREY, and JOHN BELL, both of South Shields, in the County of Durham, for an invention for—"Improvements in reefing, furling and setting the sails of ships and vessels." <i>Provisional protection only.</i>
BUTCHART. STROUD. 10th October 1864.	2490. JOHN BUTCHART, of Gardener Street, and HENRY STROUD, of Stephenson Street, both of North Shields, in the County of Northumberland, for an invention for—"Improvements in reefing and furling sails." <i>Provisional protection only.</i>
NICOLAS. 10th October 1864.	2491. ERNEST LOUIS NICOLAS, of No. 26, Rue Fontaine Saint George's, Paris, in the Empire of France, for an invention for—"Improvements in apparatus for bookbinding." <i>Provisional protection only.</i>
WEBSTER. 10th October 1864.	2492. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of flat chain." <i>Letters Patent sealed.</i>
WEDLAKE. KITSELL. 10th October 1864.	2493. HENRY THOMAS WEDLAKE, of George Street, Euston Road, Organ Builder, and FRANCIS JAMES KITSELL, of Crawford Street, Zinc Worker, both in the County of Middlesex, for an invention for—"Improvements in organ pipes." <i>Provisional protection only.</i>
HUCH. WINDHAUSEN. 10th October 1864.	2494. EDWARD HEINSON HUCH, and FRANCIS WINDHAUSEN, of Brunswick, for an invention for—"Improvements in machinery for obtaining motive-power." <i>Letters Patent sealed.</i>
LAMBERT. SOPER. 10th October 1864.	2495. THOMAS LAMBERT, of Short Street, New Cut, Lambeth, in the County of Surrey, Engineer, and HENRY CHARLES SOPER, of Cleaver Street, Lambeth, in the same county, in the employ of the said Thomas Lambert, for an invention for—"Improvements in the manufacture of taps, cocks or valves." <i>Letters Patent sealed.</i>
COLLINGE. 10th October 1864.	2496. JOHN COLLINGE, of the City of Manchester, in the County of Lancaster, Cotton Spinner and Manufacturer, for an invention for—"Improvements in the manufacture of woven fabrics." <i>Provisional protection only.</i>
VAUGHAN. 11th October 1864.	2497. JOHN IVES VAUGHAN, of Appleton-in-Widness, in the County of Lancaster, Chemist, for an invention for—"Improvements in the manufacture of resins and resinous substances, and in the apparatus employed therein, parts of such improvements being also applicable to the refining of coal, petroleum and bone oils, and also paraffin and analogous acids and hydrocarbons." <i>Letters Patent sealed.</i>
JONES. 11th October 1864.	2498. BEAUMONT HILL JONES, of Chelsea, in the County of Middlesex, for an invention for—"Appliances or arrangements applicable to the feet or legs, for facilitating locomotion." <i>Letters Patent sealed.</i>
GILLINGHAM. GILLINGHAM. 11th October 1864.	2499. MOSES GILLINGHAM, of Tottenham Court Road, in the County of Middlesex, and THOMAS GILLINGHAM, of the same place, for an invention for—"Improvements in baking apparatus." <i>Provisional protection only.</i>
GILBERT. COOPER. WEBSTER. 11th October 1864.	2500. WILLIAM GILBERT, of Enfield, Middlesex, Gun Finisher, EDWIN COOPER, of London, Agent, and GEORGE ROWLAND WEBSTER, of Sheffield, Yorkshire, Chaser, for an invention for—"Improvements in apparatus for indicating and giving alarm in case of accidental fire, applicable to public buildings, ships, houses and such like places." <i>Letters Patent sealed.</i>
REAY. 11th October 1864.	2501. GEORGE HENRY REAY, of New York, in the United States of America, temporarily residing at Old Bond Street, in the County of Middlesex, Merchant, for an invention for—"Improvements in envelope machines." <i>Letters Patent sealed.</i>
ADAMS. PARSON. 11th October 1864.	2502. THOMAS ADAMS, Engineer, and GEORGE JOHN PARSON, Gentleman, both of No. 5, Duke Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in slide valves." <i>Letters Patent sealed.</i>
NOTTINGHAM. 11th October 1864.	2503. JOHN WILLIAM NOTTINGHAM, of Kennington Road, in the County of Surrey, for an invention for—"An improved composition for lighting fires." <i>Letters Patent sealed.</i>
TUCKER. 11th October 1864.	2504. HIRAM TUCKER, of Newton, in the County of Middlesex, in the State of Massachusetts, one of the United States of America, for an invention for—"An improved process for bronze coloring iron." <i>Letters Patent sealed.</i>

KOLZEWSKY. WILSON. 11th October 1864.	2505. HERMANN LOEWENTHAL KOLZEWSKY, and ALEXANDER WILSON, both of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in the preparation of jute and other fibrous substances." <i>Provisional protection only.</i>
NEWTON. 11th October 1864.	2506. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of ink."— <i>A communication to him from abroad by Josiah Vincent Lavers, of Sydney, New South Wales.</i> <i>Provisional protection only.</i>
COLES. JAQUES. FANSHAWE. 11th October 1864.	2507. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, JAMES ARCHIBALD JAQUES, of Tottenham, in the County of Middlesex, Chemist, and JOHN AMERICUS FANSHAWE, of the same place, Engineer, for an invention for—"Improvements in the manufacture of bags, sacks, pouches and other flexible articles of capacity." <i>Letters Patent sealed.</i>
HAIGH. BARLOW. 11th October 1864.	2508. WILLIAM BLACKETT HAIGH, Machine Maker, and SAMUEL BARLOW, Manager, both of Oldham, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for spinning and doubling cotton or other fibrous materials." <i>Letters Patent sealed.</i>
WATKINS. 11th October 1864.	2509. FRANK WATKINS, of Feltham, in the County of Middlesex, for an invention for—"Improvements in the construction of railway carriages." <i>Provisional protection only.</i>
WILKINS. 11th October 1864.	2510. FREDERICK WILKINS, of 254a, Oxford Street, and 287, Regent Street, both in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in apparatus for the production of hydro-carbon vapour, and for the application of the same to illuminating or heating purposes." <i>Letters Patent sealed.</i>
MÖLLER. 12th October 1864.	2511. JOHANNES MÖLLER, of No. 8, Shaftesbury Villas, Hornsey Rise, Islington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the preparation or manufacture of coloring matter for marking ink and other purposes." <i>Letters Patent sealed.</i>
LOISEAU. 12th October 1864.	2512. LÉON GUSTAVE LOISEAU, of Paris, in the French Empire, Merchant, for an invention for—"A new railway signal apparatus." <i>Provisional protection only.</i>
WILLIAMS. 12th October 1864.	2513. ISAIAH WILLIAMS, of Birmingham, in the County of Warwick, Merchant, for an invention for—"An improved revolver."— <i>A communication to him from abroad by Ambrogio Micheloni, of Milan, in the Kingdom of Italy.</i> <i>Provisional protection only.</i>
TAYLOR. 12th October 1864.	2514. JOHN GEORGE TAYLOR, of Paris, 29, Boulevard St. Martin, in the Empire of France, for an invention for—"Improvements in the manufacture of dress fastenings and ornaments." <i>Provisional protection only.</i>
SLATER. 12th October 1864.	2515. JAMES SLATER, of Salford, in the County of Lancaster, Chain Maker, for an invention for—"Improvements in toothed chains for working toothed or chain wheels." <i>Letters Patent sealed.</i>
STORY. 12th October 1864.	2516. ROBERT STORY, of Liverpool, in the County of Lancaster, India-rubber Manufacturer, for an invention for—"Improvements in the manufacture of india-rubber or caoutchouc threads." <i>Provisional protection only.</i>
JONES. WILLIAMS. 12th October 1864.	2517. JEROME VALENTINE JONES, and GEORGE JAMES WILLIAMS, of Birmingham, in the County of Warwick, General Brassfounders, for an invention for—"Certain improvements in the manufacture of cornice poles, which improvements are also applicable for other purposes." <i>Provisional protection only.</i>
RICE. 12th October 1864.	2518. MATTHEW JAMES RICE, of Sherlock Street, Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improved pneumatic apparatus for communicating between passengers and guards in railway trains, as also between the guards, passengers and engine driver of such trains." <i>Provisional protection only.</i>
INMAN. 12th October 1864.	2519. RICHARD KESTERTON INMAN, of the firm of Beale and Inman, of New Bond Street, in the County of Middlesex, Shirt Makers and Hosiers, for an invention for—"Improvements in ornamenting or embroidering shirt fronts and other such like articles." <i>Provisional protection not granted.</i>

MENNONS. 13th October 1864.	2520. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in the mode of and machinery for applying pressure to the rolling and drawing of metals."— <i>A communication from Eugène Joseph Lacroix, a person resident at Batignolles, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
PATERSON. 13th October 1864.	2521. ALFRED SWEET PATERSON, of Vittoria Street, Birmingham, in the County of Warwick, Electro-Plate Manufacturer, for an invention for—"Improvements in nut and lobster crackers." <i>Provisional protection only.</i>
MORIDE. 13th October 1864.	2522. EDOUARD MORIDE, of Nantes (Loire Inférieure), and of 29, Boulevard St. Martin, Paris, Chemist, for an invention for—"Improvements in the treatment of sea wrack grass for the extraction of the carbon and the salts contained therein." <i>Letters Patent sealed.</i>
NOBLE. 13th October 1864.	2523. FREDERICK NOBLE, of 2½, James Street, Cannon Street Road, Saint George's in the East, in the County of Middlesex, Engineer, for an invention for—"New and improved machinery for raising and applying water and other fluids." <i>Provisional protection only.</i>
CLAUSS. 13th October 1864.	2524. LOUIS CLAUSS, of Stoke upon Trent, in the County of Stafford, Decorator, for an invention for—"Improvements in ornamenting articles of china, earthenware and other materials." <i>Provisional protection only.</i>
WATSON. 13th October 1864.	2525. JOHN WATSON, of Lombard House, George Yard, in the City of London, F.G.S., Consulting Mining Engineer, for an invention for—"Improvements in the manufacture of hydrocarbons." <i>Provisional protection only.</i>
BROOMAN. 13th October 1864.	2526. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of prussiates of ammonia, and the application of prussiates of ammonia to dyeing, printing and photography."— <i>A communication to him from abroad by Arthur Baudesson and Paul Houzeau, of Reims, France.</i> <i>Letters Patent sealed.</i>
HENRY. 13th October 1864.	2527. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in steam machinery for rolling roads or ways, and in other engines, carriages and apparatus propelled by steam on common roads, ways and surfaces."— <i>A communication to him from abroad by the Société E. Gellerat et Compagnie, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
ROBBINS. 13th October 1864.	2528. JAMES ROBBINS, of Howley Street, York Road, Lambeth, in the County of Surrey, for an invention for—"Improved machinery or apparatus for driving piles and drawing same." <i>Provisional protection only.</i>
COOK. 13th October 1864.	2529. JOHN THOMAS COOK, of Napier Street, Haylestone Road, Leicester, in the Borough of Leicester, for an invention for—"Improvements in battens for weaving." <i>Letters Patent sealed; specification filed by order.</i>
BATKIN. 13th October 1864.	2530. JOSEPH BATKIN, of 19, Dunstable Villas, Richmond, in the County of Surrey, for an invention for—"An improved bean slicer." <i>Letters Patent sealed.</i>
COOKE. 14th October 1864.	2531. JOHN COOKE, of the firm of John Cooke and Sons, of 84, Cannon Street, in the County of Middlesex, Stationer, for an invention for—"Improvements in catches or fasteners which may be adapted to portable or pocket ink bottles or other similar articles." <i>Provisional protection only.</i>
GEDGE. 14th October 1864.	2532. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in power looms for weaving."— <i>A communication to him from abroad by Adolphe Ovize and Auguste Côte, both of 39, Faubourg St. Martin, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
SYKES. 14th October 1864.	2533. WILLIAM ROBERT SYKES, of Pimlico, in the County of Middlesex, Electrician, for an invention for—"Improvements in apparatus for transmitting positive and negative currents of electricity." <i>Letters Patent sealed.</i>
HIPPIUS. 14th October 1864.	2534. ALEXANDER HIPPIUS, of Russell Square, in the County of Middlesex, for an invention for—"Improvements in the construction of stoves for heating purposes." <i>Letters Patent sealed.</i>

- WATTS.
14th October 1864. 2535. JOSEPH WATTS, of Coventry, in the County of Warwick, Accountant Clerk, for an invention for—"Improvements in apparatus for conducting the fermentation of wort and other fermentable liquids." *Provisional protection only.*
- CROSSLEY.
14th October 1864. 2536. LOUIS JOHN CROSSLEY, of Halifax, in the County of York, Carpet Manufacturer, for an invention for—"Improvements in supporting and insulating over ground telegraph wires." *Provisional protection only.*
- MEULEMANS.
14th October 1864. 2537. PETER MEULEMANS, of Brussels, in the Kingdom of Belgium, Gentleman, for an invention for—"Improvements in railway wagons and carriages." *Provisional protection only.*
- WRIGHT.
14th October 1864. 2538. RICHARD WRIGHT, of No. 5, Barge Yard, Bucklersbury, in the City of London, for an invention for—"Improvements in preparing saccharine matters." *Letters Patent sealed.*
- DALLMEYER.
14th October 1864. 2539. JOHN HENRY DALLMEYER, of 19, Bloomsbury Street, in the County of Middlesex, Optician, for an invention for—"Improvements in the construction of lenses, which improvements are especially applicable to lenses for photographic purposes." *Letters Patent sealed.*
- HOPSON.
BROOKS.
14th October 1864. 2540. ORIN LEWIS HOPSON, and HEMAN PORTER BROOKS, of Waterbury, in the State of Connecticut, United States of America, for an invention for—"An improved machine or apparatus for pointing wires or rods for pins and other articles." *Letters Patent sealed.*
- CLARK.
14th October 1864. 2541. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of lubricating and in apparatus for the same."—*A communication to him from abroad by Pierre Etienne Proust, retired Gendarme, of 29, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- KELSEY.
14th October 1864. 2542. WILLIAM HENRY KELSEY, of Rotherhithe, in the County of Surrey, Builder, for an invention for—"Improvements in the construction of chimneys and flues for houses and other buildings." *Letters Patent sealed.*
- BRIERLEY.
15th October 1864. 2543. JOHN HENRY BRIERLEY, of Beech Hill Mills, Halifax, in the County of York, for an invention for—"An improvement in ladies' waist buckles." *Provisional protection only.*
- SABBERTON.
15th October 1864. 2544. JAMES SABBERTON, of No. 98, Great Portland Street, in the Parish of St. Marylebone, in the County of Middlesex, for an invention for—"The cure of smoky chimneys." *Provisional protection not granted.*
- ROBINSON.
WASHINGTON.
SMITH.
15th October 1864. 2545. ELIJAH ROBINSON, of Stockport, in the County of Chester, GEORGE WASHINGTON, and GEORGE SMITH, both of Bradford, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus for drying or desiccating materials or substances containing moisture, part of which is also applicable to boiling liquids." *Provisional protection not granted.*
- DAVIES.
15th October 1864. 2546. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved mode of economizing the manufacture of useful articles of leather."—*A communication to him from abroad by William Adamson, of Philadelphia, Pennsylvania, United States of America.* *Provisional protection not granted.*
- HAYES.
15th October 1864. 2547. JAMES HAYES, of Bow Lane, in the City of London, Machinist, for an invention for—"Improvements in sewing-machines." *Letters Patent sealed.*
- NEWTON.
15th October 1864. 2548. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in pumps."—*A communication to him from abroad by Levi Peabody Dodge, of Newburg, in the State of New York, United States of America.* *Letters Patent sealed.*
- MASON.
15th October 1864. 2549. HENRY MASON, of Bradford, in the County of York, Spinner and Manufacturer, for an invention for—"Improvements in cap or tube frames employed in spinning and twisting fibrous substances." *Letters Patent sealed.*
- WISE.
15th October 1864. 2550. FRANCIS WISE, of Chandos Chambers, Buckingham Street, Adelphi, in the City of Westminster, Consulting Engineer, for an invention for—"Improvements in boilers or apparatus for the generation of steam." *Provisional protection only.*

BAINES. 15th October 1864.	2551. EDWARD BAINES, of Blakeney, in the County of Norfolk, Mariner, for an invention for—"Improvements in apparatus for reefing and furling ships' sails." <i>Letters Patent sealed.</i>
CLARK. 15th October 1864.	2552. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the preparation of artificial wax."— <i>A communication to him from abroad by Jules Moutier, Professor Lambert Dietzenbacher, Chemist, and Abraham Worms, Merchant, all of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
RANDLE. 15th October 1864.	2553. THOMAS RANDLE, of No. 3, High Street, Hoxton Old Town, in the County of Middlesex, for an invention for—"A new preparation or compound substance for the eradication of corns, bunions, warts and excrescences of the like nature on the feet or hands." <i>Provisional protection only.</i>
TOMLINSON. JONES. 15th October 1864.	2554. EDWARD TOMLINSON, and JOHN JONES, of the City of Manchester, in the County of Lancaster, Engineers, for an invention for—"Improvements in machinery or apparatus for breaking the husks of cotton pods and opening and separating the cotton from the same, previous to ginning." <i>Letters Patent sealed.</i>
CALVERT. 17th October 1864.	2555. FRANCIS ALTON CALVERT, of the City of Manchester, Engineer, for an invention for—"Improvements in engines for obtaining motive-power." <i>Letters Patent sealed.</i>
DHÉ. 17th October 1864.	2556. ARTHUR DÉSIRÉ DHÉ, of Vincennes, near Paris, in the Empire of France, Vicar of Vincennes, for an invention for—"Certain improvements in the manufacture of envelopes." <i>Provisional protection only.</i>
JUDKINS. GOSLING. 17th October 1864.	2557. CHARLES TIOT JUDKINS, of No. 22, Ludgate Street, in the City of London, sewing-machine manufacturer, and WILLIAM HENRY GOSLING, of No. 6, Kenilworth Road, Victoria Park, in the County of Middlesex, Engineer, for an invention for—"Improvements in machines for sewing or working button holes." <i>Letters Patent sealed.</i>
CORBETT. 17th October 1864.	2558. THOMAS CORBETT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in signals or alarms for doors and windows, and for such other uses as the same are or may be applicable to." <i>Letters Patent sealed.</i>
HILL. 17th October 1864.	2559. ALFRED HILL, of Birmingham, in the County of Warwick, Doctor of Medicine, for an invention for—"Improvements in privies, dry closets and commodos, and in deodorizing substances to be used in privies, dry closets and commodos." <i>Letters Patent sealed.</i>
CASSELL. 17th October 1864.	2560. JOHN CASSELL, of La Belle Sauvage Yard, in the City of London, Publisher, for an invention for—"Improvements in apparatus for the carburation of gas and atmospheric air."— <i>A communication to him from abroad by Jean Best, of Paris, France.</i> <i>Letters Patent sealed.</i>
BRUCE. 17th October 1864.	2561. JOHN BRUCE, of South Shields, in the County of Durham, Sail and Sail Cloth Manufacturer, for an invention for—"Improvements in the manufacture of fabric suitable for sail cloths, awnings, tarpaulings and other purposes." <i>Provisional protection only.</i>
HENRY. 17th October 1864.	2562. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the means of or apparatus for reducing the friction of moving parts of carriages, engines, machinery and apparatus."— <i>A communication to him from abroad by Charles Badin, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
BROWNHILL. 17th October 1864.	2563. JOHN BROWNHILL, of Newcastle on Tyne, in the County of Northumberland, for an invention for—"Improvements in the manufacture of feet casts, and lasts for boot and shoe making." <i>Provisional protection only.</i>
MAURICE. 17th October 1864.	2564. JOSEPH MAURICE, of Langham Place, in the County of Middlesex, for an invention for—"Improvements in the means or method of producing optical illusions in theatres or exhibitions." <i>Letters Patent sealed.</i>

- NEWTON.
17th October 1864. 2565. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of marine steam-boilers."—*A communication to him from abroad by Alban Crocker Stimers, of Castleton, in the State of New York, United States of America.*
Letters Patent sealed.
- NEWTON.
17th October 1864. 2566. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in safety fuzes for blasting."—*A communication to him from abroad by Thomas Hunter Walton, of Ashland, in the State of Pennsylvania, United States of America.*
Provisional protection only.
- PAUL.
PAUL.
18th October 1864. 2567. ALFRED PAUL, and EDWIN PAUL, both of No. 60, Thomaston Street, Everton, Liverpool, in the County of Lancaster, for an invention for—"A new or improved hydraulic rudder break."
Provisional protection only.
- HOWARD.
WOOD.
18th October 1864. 2568. STEPHEN HOWARD, of 18, Church Street, Seaham Harbour, Durham, and WILLIAM WOOD, of 12, Church Street, Seaham Harbour, Durham, aforesaid, for an invention for—"Improvements in reefing and furling sails." *Letters Patent sealed.*
- ZEH.
18th October 1864. 2569. JOHANN ZEH, Head Engineer of the Western Railway of Austria, residing ordinarily at Vienna, and of No. 16, Clement's Inn, Strand, in the County of Middlesex, for an invention for—"Improvements in moving or mechanical grates or fire bars for furnaces or other fire-places."
Complete specification; Letters Patent sealed.
- HART.
18th October 1864. 2570. JOHN HART, of Sunderland, in the County of Durham, Master Mariner, for an invention for—"Improvements in reefing fore and aft sails."
Letters Patent sealed.
- REID.
18th October 1864. 2571. JAMES REID, of Belfast, in the County of Antrim, Provision and General Merchant, for an invention for—"Improvements in the construction of water-wheels, paddles for propelling vessels, water pumps, and churns."
Provisional protection NOT granted.
- MACDONALD.
18th October 1864. 2572. JOHN MACDONALD, of Birmingham, in the County of Warwick, Lamp Maker, for an invention for—"Improvements in carriages."
Provisional protection only.
- THOMPSON.
18th October 1864. 2573. NATHAN THOMPSON, of Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in stoppers for bottles, jars and other vessels, and in stoppers for the muzzles of fire-arms."
Provisional protection only.
- PETTIT.
18th October 1864. 2574. CHARLES PETTIT, of High Street, Hackney, in the County of Middlesex, Mercantile Clerk, for an invention for—"Improvements in corrugating, fluting or fashioning metal sheets with irregular surfaces." *Letters Patent sealed.*
- NEWTON.
18th October 1864. 2575. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in chronometer watches."—*A communication to him from abroad by Henry Rothfelder, of the City and State of New York, United States of America.*
Provisional protection only.
- JOHNSON.
18th October 1864. 2576. JAMES JOHNSON, of Manchester, in the County of Lancaster, Surgeon, for an invention for—"An improved composition for finishing or renovating silk, satin, stuff, woollen cloth, silk, beaver or felt hats, cotton and other fabrics."
Provisional protection only.
- LUDWIG.
18th October 1864. 2577. JOHN LUDWIG, of Upper Holloway, in the County of Middlesex, Jeweller, for an invention for—"Improvements in the means of setting or securing stones and other materials, applicable to jewellery and other manufactures."
Provisional protection only.
- CLARK.
18th October 1864. 2578. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in presses for compressing substances for baling and for other purposes."—*A communication to him from abroad by Simon Rapalje Bowne, of the City of New York, United States of America.*
Letters Patent sealed.

HENDERSON. 18th October 1864.	2579. JOHN CROSBIE AITKEN HENDERSON, of Noble Street, in the City of London, Warehouseman, for an invention for—"An improved manufacture of ladies' skirts." <i>Provisional protection only.</i>
GILBERT. GILBERT. 18th October 1864.	2580. WILLIAM GILBERT, and FREDRIC WILLIAM GILBERT, both of Saint Philip's Road, Sheffield, in the County of York, Cutlery Manufacturers, and Co-partners in Trade, for an invention for—"Improvements in the construction of the hafts or handles of spring knives." <i>Letters Patent sealed.</i>
TAYLOR. HARRISON. BROWN. 19th October 1864.	2581. WILLIAM TAYLOR, of Shiffnal, Iron Master, HENRY HARRISON, of Hollinswood, Manager, and GEORGE BROWN, of Hollinswood, aforesaid, Millwright, all in the County of Salop, for an invention for—"Certain improvements in the manufacture of iron." <i>Letters Patent sealed.</i>
RYER. 19th October 1864.	2582. WASHINGTON MICHAEL RYER, of San Francisco, California, but temporarily of 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in iron-clad vessels and other apparatus for conveying and exploding submarine explosives." <i>Letters Patent sealed.</i>
BUXTON. 19th October 1864.	2583. WILLIAM BUXTON, of Lime Tree Lodge, Rotherhithe, in the County of Surrey, Wool Merchant, for an invention for—"Improvements in the preparation of sheep's wool for medical purposes." <i>Letters Patent sealed.</i>
HARTLEY. 19th October 1864.	2584. GEORGE HARTLEY, of the firm of Rowley, Hartley and Company, of Aldermanbury, in the City of London, for an invention for—"Improvements in covering busks for stays and bodices." <i>Letters Patent sealed.</i>
TURNER. 19th October 1864.	2585. THOMAS TURNER, junior, of the firm of Turner and Son, Gun Manufacturers, and Government Contractors, of Fisher Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in breech-loading guns, and which improvements are applicable for single or double barrels." <i>Letters Patent sealed.</i>
CLAVEL. 19th October 1864.	2586. AUGUSTE CLAVEL, Merchant, of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"An improvement in the means of holding or supporting glasses, shades and reflectors used with lamps and burners." <i>Letters Patent sealed.</i>
HARRISS. 19th October 1864.	2587. JAMES PLAISTER HARRISS, of Stanley Hall, in the County of York, Esquire, for an invention for—"Improvements in projectiles and in sabots for projectiles." <i>Provisional protection only.</i>
KEY. 20th October 1864.	2588. TURNER POWELL ASTON KEY, of 35, Oakley Square, N.W., in the County of Middlesex, for an invention for—"An improvement in the mode of fastening armour plates to vessels of war." <i>Provisional protection NOT granted.</i>
WALTERS. 20th October 1864.	2589. FREDERICK WALTERS, of Sheffield, in the County of York, Cutlery Manufacturer, for an invention for—"An improvement in pen-knife and pocket knife blades, and in the mode of fixing and employing the same." <i>Letters Patent sealed.</i>
SNELL. 20th October 1864.	2590. WILLIAM SNELL, of 16, Clement's Inn, Strand, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Christopher Minor Spencer, of Boston, in the State of Massachusetts, and United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
GANDY. 20th October 1864.	2591. MAURICE GANDY, of Liverpool, in the County of Lancaster, Master Mariner, for an invention for—"Improvements applicable to reefing and furling the square sails of navigable vessels, from the deck." <i>Provisional protection only.</i>
ABLETT. BAINES. 20th October 1864.	2592. WILLIAM HENRY ABLETT, of 36A, Wood Street, London, and Coventry, and JOHN BORLASE BAINES, of 36A, Wood Street, London, and Coventry, Ribbon Manufacturers, for an invention for—"Improvements in the manufacture of woven fabrics." <i>Provisional protection only.</i>
SHAW. 20th October 1864.	2593. JOHN SHAW, of No. 22, West Smithfield, London, in the County of Middlesex, Engineer, for an invention for—"Improvements in coffer-dams and in apparatus to be used therein, and in sinking cylinders and tanks for making foundations under water." <i>Letters Patent sealed.</i>

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| <p>EHRHARDT.
20th October 1864.</p> <p>BROTHERS.
20th October 1864.</p> <p>NEWTON.
20th October 1864.</p> <p>BROOMAN.
20th October 1864.</p> <p>TIZARD.
20th October 1864.</p> <p>HALL.
20th October 1864.</p> <p>HARFIELD.
20th October 1864.</p> <p>WHITLEY.
20th October 1864.</p> <p>DAVIS.
20th October 1864.</p> <p>GWYNNE.
21st October 1864.</p> <p>MARTIN.
21st October 1864.</p> <p>PAVIOLA.
21st October 1864.</p> <p>GARDNER.
ENGLISH.
21st October 1864.</p> <p>REYNOLDS.
21st October 1864.</p> <p>WILSON.
21st October 1864.</p> <p>WESTWOOD.
BROADHURST.
21st October 1864.</p> | <p>2594. LOUIS HENRY GUSTAVUS EHRHARDT, of Richmond Road, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the manufacture of gunpowder and flasks to contain the same." <i>Letters Patent sealed.</i></p> <p>2595. CHARLES BROTHERS, of Leamington, in the County of Warwick, Plumber, for an invention for—"Improvements in extinguishing fires." <i>Provisional protection only.</i></p> <p>2596. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary engines."—<i>A communication to him from abroad by Jean Joseph Molard, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i></p> <p>2597. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for registering and indicating the distances travelled by and the rate of travelling of cabs and other vehicles, and the time they have been engaged."—<i>A communication to him from abroad by Alfred Claustre, of Paris, France.</i> <i>Provisional protection only.</i></p> <p>2598. WILLIAM LITTELL TIZARD, of Birmingham, in the County of Warwick, Brewers' Engineer, for an invention for—"Improvements in brewing and distilling and in apparatus employed therein, parts of which are applicable to the separation of liquids from solids." <i>Provisional protection only.</i></p> <p>2599. WALTER HALL, of Erith, in the County of Kent, Gentleman, for an invention for—"Improvements in barrels or casks for gunpowder." <i>Provisional protection only.</i></p> <p>2600. WILLIAM HORATIO HARFIELD, of Royal Exchange Buildings, in the City of London, for an invention for—"Improvements in capstans, windlasses and stoppers for working chain cables." <i>Letters Patent sealed.</i></p> <p>2601. JOSEPH WHITLEY, of Leeds, in the County of York, Brass Founder, for an invention for—"Improvements in railway wheels." <i>Provisional protection only.</i></p> <p>2602. GEORGE DAVIS, of the Town and County of the Town of Southampton, Machinist, for an invention for—"Improvements in fire-arms and cartridges." <i>Letters Patent sealed.</i></p> <p>2603. JAMES EGLINTON ANDERSON GWYNNE, of Essex Street Wharves, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of centrifugal machinery applicable to pumps, fans, turbines and similar apparatus, and in the applications of such machinery." <i>Letters Patent sealed.</i></p> <p>2604. FRANÇOIS MARTIN, of Acton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of anchors." <i>Letters Patent sealed.</i></p> <p>2605. LAURENT PAVIOLA, of La Ciotat, in the Empire of France, Joiner, for an invention for—"An improved anti-saline coating chiefly applicable for preserving from corrosion and incrustation the boilers and pipes of marine steam-engines." <i>Letters Patent sealed.</i></p> <p>2606. CHARLES HENRY GARDNER, of the firm of Hughes and Kimber, of West Harding Street, Fetter Lane, in the City of London, Manufacturer, and CHARLES ENGLISH, of Ladbroke Villas, Notting Hill, in the County of Middlesex, Stationer, for an invention for—"Improvements in instruments or apparatus for stamping, applicable to postal and other purposes." <i>Letters Patent sealed.</i></p> <p>2607. ARTHUR REYNOLDS, of Bagillt, in the County of Flintshire, Chemist, for an invention for—"An improved mode of manufacturing sulphuric acid." <i>Letters Patent sealed and specification filed by order.</i></p> <p>2608. HENRY WILSON, Manager for Messieurs Powis, James and Company, of Victoria Works, Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in machinery for moulding and planing wood." <i>Provisional protection only.</i></p> <p>2609. SAMUEL WESTWOOD, of Aston, near Birmingham, in the County of Warwick, Gun Barrel Maker, and HENRY BROADHURST, of Birmingham, aforesaid, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i></p> |
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DAVIES. 21st October 1864.	2610. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in buttons and in devices for securing the same to fabrics."— <i>A communication to him from abroad by Willoughby Hahn Reed, of Philadelphia, in the United States of America.</i> <i>Provisional protection only.</i>
ALLCOCK. 21st October 1864.	2611. THOMAS ALLCOCK, of Birmingham, in the County of Warwick, Brass-founder, for an invention for—"Improvements in the manufacture of metal cornice and other poles, and rods and mouldings for various purposes of utility and decoration." <i>Letters Patent sealed.</i>
DONISTHORPE. 21st October 1864.	2612. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in fixing or securing the rail or tramways used when getting coal and other minerals by machinery." <i>Letters Patent sealed.</i>
JONES. 21st October 1864.	2613. JAMES GRAFTON JONES, of Blaina Iron Works, Monmouthshire, for an invention for—"Improvements in machinery employed in getting coals, stone and other minerals." <i>Letters Patent sealed.</i>
DONISTHORPE. 21st October 1864.	2614. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in obtaining grease from wash waters." <i>Provisional protection only.</i>
HORNSBY. 21st October 1864.	2615. RICHARD HORNSBY, of Spittlegate Iron Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
SCARISBRICK. 22nd October 1864.	2616. JOHN SCARISBRICK, of Prescott, in the County of Lancaster, Plumber, for an invention for—"Improvements in apparatus for signalling on railway trains." <i>Provisional protection only.</i>
MUIR. 22nd October 1864.	2617. ANDREW MUIR, of the City of London, and of the City of Manchester, in the County of Lancaster, Consulting Engineer and Machinist, for an invention for—"Improvements in screw presses for compressing cotton and other substances." <i>Letters Patent sealed; specification filed by order.</i>
BIRD. 22nd October 1864.	2618. HENRY BIRD, of Wakefield, in the County of York, Railway Store Keeper, for an invention for—"Improved methods of and apparatus for stopping locomotive steam-engines and railway carriages, by the application of steam power to the working and management of railway breaks." <i>Letters Patent sealed.</i>
WALBROOK. 22nd October 1864.	2619. WILLIAM OAKLEY WALBROOK, of Mile End, in the County of Middlesex, Printer and Publisher, for an invention for—"Improvements in printers' composing cases and frames." <i>Letters Patent sealed.</i>
BETJEMANN. BETJEMANN. BETJEMANN. 22nd October 1864.	2620. GEORGE BETJEMANN, GEORGE WILLIAM BETJEMANN, and JOHN BETJEMANN, all of Pentonville, in the County of Middlesex, Desk and Dressing Case Manufacturers, for an invention for—"Improvements in cases or receptacles for matches, stamps, cards and other articles." <i>Provisional protection only.</i>
SOURD. 22nd October 1864.	2621. JOSEPH SOURD, of 30, Nelson Square, Blackfriars Road, in the County of Surrey, for an invention for—"A new or improved dredging machine."— <i>A communication to him from abroad by Charles Gheerbrant, of Paris (Empire of France).</i> <i>Provisional protection only.</i>
PITTS. 22nd October 1864.	2622. WILLIAM PITTS, of 118, Brompton Road, in the County of Middlesex, Professor of Music, for an invention for—"Improvements in projectiles for artillery." <i>Provisional protection only.</i>
RICHARDS. 22nd October 1864.	2623. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in cannon and other cartridges and in fire-arms." <i>Letters Patent sealed.</i>
EMARY. 22nd October 1864.	2624. JOHN EMARY, of Regent Street, in the County of Middlesex, Tailor, for an invention for—"Improvements applicable to capes, paletots, overcoats and other such like garments." <i>Provisional protection only.</i>
MUIR. 24th October 1864.	2625. ANDREW MUIR, of the City of London, and of the City of Manchester, in the County of Lancaster, Consulting Engineer and Machinist, for an invention for—"Improvements (consisting of a differential motion) applicable to screw-jacks, screw bears and punching machines." <i>Provisional protection only.</i>

- COLLEY.
24th October 1864. 2626. EDWARD EDWARDS COLLEY, of the Daily Telegraph Office, Fleet Street, in the County of Middlesex, Engineer, for an invention for—"Improved propellers."
Letters Patent sealed.
- ANDERSON.
24th October 1864. 2627. SAMUEL SMITH ANDERSON, of South Road, Bishop Auckland, in the County of Durham, Brick and Tile Manufacturer, for an invention for—"Improvements in the manufacture of bricks, tiles and other articles from plastic substances."
Letters Patent sealed.
- HOOKEHAM.
24th October 1864. 2628. RICHARD HOOKEHAM, of Regent's Park, in the County of Middlesex, for an invention for—"Improved powder magazines and receptacles for storing or keeping gun-powder or other explosive materials, and improved vessels and vehicles for transporting explosive materials from place to place."
Provisional protection only.
- SCHORB.
24th October 1864. 2629. GEORGES SCHORB, of the Town of Lyons, now of No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, Practical Engineer, for an invention for—"An improved rotary engine actuated by the double action of steam or any other moving fluid."
Letters Patent sealed.
- SMITH.
24th October 1864. 2630. JOHN SMITH, of Leicester, Mechanic, for an invention for—"Improvements in battens and in gear for communicating the to and fro motions to the driving planks of battens."
Letters Patent sealed.
- SCOTT.
24th October 1864. 2631. JOHN WILLIAM SCOTT, of the City of Worcester, Manufacturer, for an invention for—"Improved means of attaching buttons to garments and other articles, and improved tools for fastening the same."
Letters Patent sealed.
- BROOMAN.
24th October 1864. 2632. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for consuming smoke in steam-boiler and other furnaces and fire-places."—*A communication to him from abroad by Auguste de Bergue, of Madrid, Spain.*
Provisional protection only.
- BATEMAN.
GARRARD.
24th October 1864. 2633. HYDE BATEMAN, of Barnes, in the County of Surrey, Surveyor, and EDWARD GOOCH GARRARD, of Vauxhall, in the same County, Wine Merchant, for an invention for—"Improvements in the construction of pumps."
Letters Patent sealed.
- CLARK.
24th October 1864. 2634. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for concentrating and distilling sulphuric and other acids, and all solutions in general."—*A communication to him from abroad by Eugène Alphonse Cotellet, Distiller, of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- BOUSFIELD.
24th October 1864. 2635. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in manufacturing aerated bread by the application of carbonic acid gas obtained from fermenting vegetable matters, and in the apparatus employed therein."—*A communication to him from abroad by Struben Taylor Bacon, a person resident at Boston, United States of America.*
Letters Patent sealed.
- HEAP.
JOLLEY.
25th October 1864. 2636. JOSHUA HEAP, of Ashton under Lyne, Tool Maker, and THOMAS JOLLEY, of Warrington, Tool Maker, both in the County of Lancaster, for an invention for—"Improvements in machinery for measuring clay and moulding the same into bricks and tiles, which machinery is also applicable to the purpose of measuring and compressing peat and other substances."
Letters Patent sealed.
- CRAVEN.
CARRACK.
25th October 1864. 2637. HENRY EDWARD CRAVEN, of Leeds, in the County of York, Engineer, and THOMAS CARRACK, of the same place, Engineer, for an invention for—"Improvements in machinery or apparatus for cutting out and pricking the soles and heels of boots and shoes, applicable also to other purposes."
Letters Patent sealed.
- TATE.
25th October 1864. 2638. JAMES TATE, of Bermondsey, Engineer, for an invention for—"An improvement in signalling on railways."
Letters Patent sealed.
- BROOMAN.
25th October 1864. 2639. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in blast and other furnaces."—*A communication to him from abroad by Auguste de Bergue, of Madrid, Spain.*
Provisional protection only.

SHAW. 25th October 1864.	2640. SAMUEL SHAW, of Droylsden, in the County of Lancaster, Overlooker, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
TAYLOR. 25th October 1864.	2641. EDWARD HENRY TAYLOR, of Padeswood, near Mold, in the County of Flint, Engineer, for an invention for—"Improved apparatus for drawing off or emptying the contents of casks, ships' tanks and other vessels containing petroleum, paraffin and other matters or liquids, and also the application of similar apparatus for the supply and stoppage of air." <i>Provisional protection only.</i>
DONISTHORPE. 25th October 1864.	2642. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in machinery for combing wool and other fibres." <i>Letters Patent sealed.</i>
WILSON. 25th October 1864.	2643. EDWARD BROWN WILSON, of 10, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in fire-places." <i>Provisional protection only.</i>
CLARK. 25th October 1864.	2644. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in rotary engines or apparatus, applicable also as a pump or blowing apparatus."— <i>A communication to him from abroad by Francis Bernard de Keravenan, Civil Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
DANNATT. 26th October 1864.	2645. JAMES DANNATT, of the Borough of Sunderland, in the County of Durham, Plumber, for an invention for—"An improved composition for preventing the fouling of the bottoms of ships and vessels, and for the preservation of the iron or wood of which the same are constructed." <i>Letters Patent sealed.</i>
DUTRULLE. 26th October 1864.	2646. PETER DUTRULLE, of No. 72, Davis Street, Grosvenor Square, in the County of Middlesex, Commission Agent, for an invention for—"Improvements in the manufacture of syrups."— <i>A communication to him from abroad by Jean Jacques Grosheing and Auguste Sheurer, both of Logelbach, near Colmar, Haut Rhine, Chemists.</i> <i>Letters Patent sealed.</i>
WILTON. 26th October 1864.	2647. ROBERT WILLIAM WILTON, Architect, of 14, Oakley Square, in the Parish of Saint Pancras, and County of Middlesex, for an invention for—"Improvements in the construction of roofs, walls, partitions, bridges, fences, floors, and the ribs or framing of ships and boats." <i>Provisional protection only.</i>
LÜDEKE. WILCKENS. 26th October 1864.	2648. JOHANN ERNST FRIEDRICH LÜDEKE, of 2, Stonefield Street, Islington, N., and DANIEL WILCKENS, of 25, Union Square, Great Dover Street, Borough, for an invention for—"Improvements in motive-power by capillary attraction." <i>Letters Patent sealed.</i>
HALL. DUNKERLEY. SCHOFIELD. 26th October 1864.	2649. JAMES HALL, of Glossop, in the County of Derby, Mechanic, WILLIAM DUNKERLEY, of Dukinfield, in the County of Chester, Machinist, and SAMUEL SCHOFIELD, of Ashton under Lyne, in the County of Lancaster, Ironfounder, for an invention for—"Improvements in machinery for preparing cotton and other fibrous substances, and for doubling yarns." <i>Letters Patent sealed.</i>
BRUNEL. 26th October 1864.	2650. BONNET FREDERIC BRUNEL, of Brussels, in the Kingdom of Belgium, Chemist, for an invention for—"Improvements in treating titanite iron sands and in apparatus employed therein." <i>Letters Patent sealed.</i>
JENNER. 26th October 1864.	2651. FREDERIC JENNER, of the firm of Jenner and Knewstubb, of Saint James' Street, in the City of Westminster, Dressing Case Manufacturers, for an invention for—"Improvements in purses, cigar cases, bags and other similar receptacles." <i>Letters Patent sealed.</i>
CUNNINGHAM. CUNNINGHAM. 26th October 1864.	2652. JOHN CUNNINGHAM, and ROBERT CUNNINGHAM, both of Paisley, in the County of Renfrew, North Britain, Manufacturers, for an invention for—"Improvements in weaving ornamental fabrics." <i>Letters Patent sealed.</i>
NIMMO. 26th October 1864.	2653. JOHN NIMMO, of Borrowstounness, in the County of Linlithgo, North Britain, Coal-master, for an invention for—"Improvements in apparatus for distilling oils or resinous matters." <i>Provisional protection only.</i>
HART. CALDER. 26th October 1864.	2654. RICHARD HART, Newspaper Editor, and JOHN FRASER CALDER, Writer, both of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in preparing jute." <i>Provisional protection only.</i>

- DE FONTAINE-MOREAU.
26th October 1864. 2655. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Improvements in the manufacture of spectacle frames and in the machinery employed therein."—*A communication from François Bailly, a person resident at 11, Rue d'Anjou Dauphine, Paris, in the Empire of France.*
Letters Patent sealed.
- DE FONTAINE-MOREAU.
26th October 1864. 2656. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"An improved composition for uniting iron with wood and leather with leather, for waterproofing textile fabrics, paper and cordage, for moulding, and for various other purposes."—*A communication from Messieurs Henri Lemaistre and Company, of Brussels, in the Kingdom of Belgium.*
Letters Patent sealed.
- WALMSLEY.
PITMAN.
26th October 1864. 2657. JAMES WALMSLEY, and NATHANIEL GERRARD PITMAN, of Well Street, Falcon Square, in the City of London, Manufacturers, for an invention for—"Improvements in the manufacture of cord, applicable to the manufacture of fringes and to other purposes, and in the means or apparatus employed therein." *Letters Patent sealed.*
- MAY.
26th October 1864. 2658. CHARLES MAY, of Curtain Road, Finsbury, in the County of Middlesex, Smelling Bottle Manufacturer, for an invention for—"Improvements in lock fastenings for smelling and other bottles, and in the means employed in combination therewith for closing the same." *Letters Patent sealed.*
- LONSDALE.
27th October 1864. 2659. NORTON NATHAN LOWENTHAL LONSDALE, of 27, Nelson Square, in the Borough of Southwark, and County of Surrey, Professor of Languages, for an invention for—"Improvements in apparatus for regulating and controlling the flow or supply of oil or other fluids, whether for lubricating or filtering or other purposes." *Provisional protection only.*
- SHELMERDINE.
27th October 1864. 2660. JONATHAN SHELMERDINE, of the firm of Henry Bayley, Son and Company, Albion Iron Works, Hulme Hall Lane, Miles Platting, Manchester, in the county of Lancaster, for an invention for—"Improvements in cotton gins." *Provisional protection only.*
- STOBO.
POLLOCK.
27th October 1864. 2661. JOHN STOBO, Foreman Mechanic, and WILLIAM POLLOCK, Manager, of Leven Bank Works, near Bonhill, in the County of Dumbarton, North Britain, for an invention for—"Improvements in apparatus for tramping, wringing and delivering yarns in connection with dyeing and bleaching processes." *Letters Patent sealed.*
- CRAVEN.
FOX.
27th October 1864. 2662. JOHN CRAVEN, and SAMSON FOX, of Leeds, in the County of York, Engineers, for an invention for—"Improvements in railway rolling stock and agricultural and traction engines." *Provisional protection only.*
- CONGALTON.
27th October 1864. 2663. WILLIAM CONGALTON, of the Steamer Robert Lowe, and of Austin Friars, in the City of London, Lieutenant in the Royal Naval Reserve, and Master Mariner, for an invention for—"Improvements in fitting sails to ships and other vessels." *Letters Patent sealed.*
- PARNACOTT.
27th October 1864. 2664. EDWARD JOSEPH WILLIAM PARNACOTT, of Leeds, in the County of York, Mill Sawyer, for an invention for—"An improved manufacture of artificial stone, applicable to the cutting of metallic surfaces." *Letters Patent sealed.*
- BROOMAN.
27th October 1864. 2665. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in sextants and other similar instruments for taking observations."—*A communication to him from abroad by Pierre Michel Albert Laurent, of St. Nazaire, France.* *Letters Patent sealed.*
- LAIDLAW.
ROBERTSON.
28th October 1864. 2666. DAVID LAIDLAW, and JAMES ROBERTSON, both of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in exhausting, forcing, compressing, heating, cooling and applying aeriform bodies, and in apparatus therefor." *Letters Patent sealed.*
- JACKSON.
28th October 1864. 2667. WILLIAM JACKSON, Mechanic, 4, Spring Terrace, York Road, Lambeth, London, for an invention for—"Improved arrangement of the parts in sewing-machines, for using shoemaker's wax thread for sewing on the soles of boots and shoes." *Letters Patent sealed.*

CHARLTON. CHARLTON. CHRISTIAN. 28th October 1864.	2668. JOHN CHARLTON, and HENRY CHARLTON, of Strangeways, in the County of Lancaster, Finishers, and JOHN OSBORNE CHRISTIAN, F.C.S., of Manchester, in the same County, Chemist, for an invention for—"Certain improvements in sizing, dressing, filling and stiffening yarns or fabrics composed of cotton, linen, silk, wool or other fibrous materials, or paper, whereby such materials are also rendered non-inflammable." <i>Letters Patent sealed.</i>
HARRISS. 28th October 1864.	2669. JAMES PLAISTER HARRISS, of Stanley Hall, in the County of York' Esquire, for an invention for—"Improvements in fire-arms and projectiles." <i>Provisional protection only.</i>
DOWLEY. 28th October 1864.	2670. WILLIAM DOWLEY, of Southampton, in the County of Hants, Engineer, for an invention for—"Improved apparatus for enabling the passengers in a railway carriage to attract the attention of the guard and driver when required." <i>Provisional protection only.</i>
GOODALL. GOODALL. 28th October 1864.	2671. JAMES GOODALL, of South Hackney, in the County of Middlesex, and PHILLIP GOODALL, of Spitalfields, in the same County, for an invention for—"Improvements in brushes." <i>Provisional protection only.</i>
AGER. 28th October 1864.	2672. GEORGE AGER, of Walthamstow, in the County of Essex, Gentleman, for an invention for—"Improvements in protecting the bottoms and sides of ships and vessels." <i>Provisional protection only.</i>
CORMACK. 28th October 1864.	2673. WILLIAM CORMACK, of 15, Little Moorfields, in the County of Middlesex, Chemist, for an invention for—"Improvements in the distillation or destructive distillation of solid matters or semi-solid matters capable of yielding fluids or gaseous hydrocarbons or other products, such as pitcoal, boghead or other bituminous coal or shale, peat, wood, asphalts, tallow, lard, fats or other solid or semi-solid matters, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
RYDILL. 28th October 1864.	2674. GEORGE RYDILL, of Dewsbury, in the County of York, for an invention for—"A new hydraulic engine and pump for obtaining a motive-power or giving power to hydraulic engines or balance engines or pumps." <i>Provisional protection only.</i>
PARKES. 28th October 1864.	2675. ALEXANDER PARKES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in manufacturing compounds of gun cotton and other vegetable substances similarly prepared, also in the preparation of castor and cotton oils, and gum ballata, to be used with or separate from such compounds." <i>Letters Patent sealed.</i>
HARTSHORN. GADSBY. 28th October 1864.	2676. JAMES HARTSHORN, Lace Manufacturer, and JOSEPH GADSBY, Draftsman, both of Nottingham, for an invention for—"Improvements in manufacturing lace in twist lace machines." <i>Letters Patent sealed.</i>
JOWETT. JOWETT. MUSCHAMP. 28th October 1864.	2677. HENRY ALFRED JOWETT, of Hayes, in the County of Middlesex, JOHN EATON JOWETT, of Sawlay, in the County of Derby, and JOHN BELL MUSCHAMP, of No. 17, Pembroke Road, Kensington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of rails and bearers for the same, for the permanent way of railways." <i>Letters Patent sealed.</i>
SMITH. SMITH. 29th October 1864.	2678. ALEXANDER SMITH, and WILLIAM SMITH, both of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in and relating to centrifugal apparatus such as is used in the manufacture of sugar." <i>Letters Patent sealed.</i>
DAVIES. 29th October 1864.	2679. JOHN LACEY DAVIES, of 4, St. Ann's Square, Manchester, in the County of Lancaster, Patent Agent, for an invention for—"Certain improvements in machinery or apparatus for pressing, rolling or shaping metallic articles of irregular form."— <i>A communication to him from abroad by Edward McNally, residing at Elberfeld, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
DURANT. GORE. 29th October 1864.	2680. ANGUISH HONOUR AUGUSTUS DURANT, of the Conservative Club, Saint James's, in the County of Middlesex, Captain, and WILLIAM HENRY POSTLETHWAITE GORE, of Hanover Chambers, Buckingham Street, in the same County, Esquire, for an invention for—"An improved material or combination of materials to be used for the manufacture of panels and for other constructive purposes." <i>Provisional protection only.</i>

- BELLET.**
DE ROUVRE.
29th October 1864.
- 2681.** LOUIS PHILIPPE GABRIEL BELLET, and CHARLES MARIE PHILIPPE DE ROUVRE, of No. 27, Rue Mademoiselle, Versailles, Seine et Oise, in the Empire of France, for an invention for—"Certain improvements in the application of electricity as a motive-power."
Letters Patent sealed.
- CLARK.**
29th October 1864.
- 2682.** WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in bolts or fastenings."—*A communication to him from abroad by Claude Marie Bigard, junior, Locksmith, of 29, Boulevard St. Martin, Paris.*
Provisional protection only.
- LARKIN.**
29th October 1864.
- 2683.** HENRY LARKIN, of 6, Great Cheyne Row, Chelsea, in the County of Middlesex, for an invention for—"Improvements in hooks."
Provisional protection NOT granted.
- KEITH.**
29th October 1864.
- 2684.** BEZER RICHMOND KEITH, of No. 1, Ingram Court, Fenchurch Street, in the City of London, Merchant, for an invention for—"A new article of farinaceous food."—*A communication to him from abroad by John Candler, of Boston, Massachusetts, United States of America.*
Provisional protection only.
- NORTON.**
29th October 1864.
- 2685.** JAMES LEE NORTON, of Belle Sauvage Yard, in the City of London, for an invention for—"Improvements in tenting, stretching and drying fabrics, and in drying yarns, wool or other fibrous materials and paper."
Letters Patent sealed.
- DEVEREUX.**
29th October 1864.
- 2686.** GEORGE HENRY DEVEREUX, of Lamb Terrace, London Fields, Hackney, in the County of Middlesex, for an invention for—"Improvements in syphons."
Letters Patent sealed.
- SIMPSON.**
31st October 1864.
- 2687.** JOHN HAWKINS SIMPSON, of Kilmeena, in Ireland, Esquire, for an invention for—"Improvements in electric-printing for telegraphic and other purposes, and in the apparatus to be used for such purposes."
Letters Patent sealed.
- CROSBY.**
31st October 1864.
- 2688.** CHAUNCEY ORRIN CROSBY, of the City and County of New Haven, State of Connecticut, United States of America, for an invention for—"A machine for the manufacture of fish hooks."
Complete specification; Letters Patent sealed.
- SCALÉ.**
31st October 1864.
- 2689.** BERNARD SCALÉ, of Peckham, in the County of Surrey, Cabinet Maker, for an invention for—"Improvements in fitting and mounting chamber utensils."
Letters Patent sealed.
- SOLOMON.**
GRANT.
31st October 1864.
- 2690.** JOSEPH SOLOMON, of Red Lion Square, in the County of Middlesex, Optician, and ALONZO GALORD GRANT, of Nottingham, Photographer, for an invention for—"Improvements in lamps or apparatus for burning magnesium and other metallic substances."
Letters Patent sealed.
- DAVIES.**
31st October 1864.
- 2691.** GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved method of and apparatus for warming and cooling railway carriages."—*A communication to him from abroad by Pierre Grandjean, Léon Henon, Alphonse Colas and Marcel Colas, all of Paris, France.*
Provisional protection only.
- ROWAN.**
31st October 1864.
- 2692.** JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in presses for expressing fluids."
Provisional protection only.
- ANDREASEN.**
31st October 1864.
- 2693.** NIELS FREDRICK ANDREASEN, of Copenhagen, in the Kingdom of Denmark, and of Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in apparatus for distributing liquid manure and sowing seed."
Provisional protection only.
- EDWARDS.**
31st October 1864.
- 2694.** EDMUND EDWARDS, of No. 1, York Buildings, Adelphi, in the County of Middlesex, for an invention for—"Improvements in apparatus for mixing and kneading, and for measuring and discharging dough (applicable to other substances)."
Letters Patent sealed.
- BRINJES.**
1st November 1864.
- 2695.** JOHN FREDERICK BRINJES, of Fieldgate Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for the reburning of animal charcoal."
Letters Patent sealed.
- CHARON.**
1st November 1864.
- 2696.** PIERRE LOUIS CHARON, of Grove Place, Brompton Road, in the County of Middlesex, for an invention for—"Improvements in fire-places."
Provisional protection only.

MOODY. 1st November 1864.	2697. WILLIAM MOODY, of Handsworth, in the County of Stafford, Pianoforte Tuner, for an invention for—"Improvements in stringing and tuning pianofortes and other stringed musical instruments." <i>Provisional protection only.</i>
GEDGE. 1st November 1864.	2698. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved axle."— <i>A communication to him from abroad by Jean Baptiste Legault, of Ferques, Department of the Pas de Calais, France.</i> <i>Provisional protection only.</i>
IVORY. 1st November 1864.	2699. THOMAS IVORY, of Edinburgh, Advocate, for an invention for—"Improvements in steam-engines, and in furnaces, boilers and condensers for the same, parts of which are applicable to force pumps." <i>Letters Patent sealed.</i>
ROGER. 1st November 1864.	2700. PAUL ANDRÉ ROGER, of Paris, in the Empire of France, Gentleman, for an invention for—"An improved apparatus for preventing the extinction of lamps and similar apparatus."— <i>A communication from François Desiré Victor Molvé, a person residing at Rue de l'Université, Paris, aforesaid.</i> <i>Letters Patent sealed.</i>
RICE. 1st November 1864.	2701. WILLIAMS RICE, of Market Place, Boston, in the County of Lincoln, for an invention for—"Improvements in applying the wheels and axles of railway and other carriages." <i>Letters Patent sealed.</i>
SCHWARTZ. 1st November 1864.	2702. ISAAC SCHWARTZ, of Castle Street, Falcon Square, in the City of London, for an invention for—"Improvements in apparatus for lighting rooms and buildings." <i>Letters Patent sealed.</i>
ASTON. 1st November 1864.	2703. WILLIAM ASTON, of Princip Street Works, Birmingham, in the County of Warwick, Button Manufacturer, for an invention for—"Improvements in the manufacture of certain descriptions of buttons." <i>Letters Patent sealed.</i>
SMITH. 2nd November 1864.	2704. WILLIAM SMITH, of Salisbury Street, Strand, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in tanning leather and in the apparatus to be employed for that purpose."— <i>A communication to him from abroad by Monsieur Aimard Jullien, residing at Mantes, in the Empire of France.</i> <i>Letters Patent sealed.</i>
RICHARDSON. 2nd November 1864.	2705. ROBERT RICHARDSON, of Hyde Park, in the County of Middlesex, Esquire, for an invention for—"Improvements in clothing for covering and protecting horses, cattle and other domestic animals." <i>Letters Patent sealed.</i>
FORSTER. DRAPER. 2nd November 1864.	2706. JOHN FORSTER, of Crow Street, and Frankfort House, Rathgan, and HARRY DRAPER, of Mary Street, and Leinster Road, Rathmines, Dublin, for an invention for—"Improvements in the preparation or manufacture of paper in order to prevent the extraction or alteration of writings thereon, without detection." <i>Provisional protection only.</i>
ASHCROFT. 2nd November 1864.	2707. GEORGE ASHCROFT, of Hendon, Sunderland, in the County of Durham, for an invention for—"Improvements in the construction of hydraulic presses employed for pressing cotton and other fibrous substances, fuel, hay, peat and other vegetable matters and substances, and for crushing mineral substances." <i>Letters Patent sealed.</i>
FURNEVALL. KEIGHLEY. 2nd November 1864.	2708. JOHN FURNEVALL, of Haslingden, in the County of Lancaster, Engineer, and GEORGE KEIGHLEY, of Burnley, in the same County, Engineer, for an invention for—"An improved mode of combining railway wheels and axles." <i>Provisional protection only.</i>
PILKINGTON. 2nd November 1864.	2709. EDWARD PILKINGTON, of Bolton, in the County of Lancaster, Mechanic, for an invention for—"Improvements in machinery employed in the manufacture of wadding and waterproof fabrics." <i>Letters Patent sealed.</i>
ROBINSON. 2nd November 1864.	2710. RICHARD CARDWELL ROBINSON, of No. 25, Cannon Street, in the City of London, for an invention for—"Improvements in semaphoric signals applicable to railway carriages." <i>Provisional protection only.</i>
DRURY. 2nd November 1864.	2711. JOHN DRURY, of Elland, near Halifax, in the County of York, Engineer, for an invention for—"Improvements in steam or other motive-power engines." <i>Letters Patent sealed.</i>
SCOTT. 2nd November 1864.	2712. FIFE JOHN SCOTT, of Princes Buildings, Newcastle on Tyne, Merchant, for an invention for—"Improvements in means or apparatus for signalling between passengers and guards or others on railway trains." <i>Provisional protection only.</i>

- WALKER.
2nd November 1864. 2713. JOHN WALKER, of Regent Street, in the City of Westminster, Watch Manufacturer, for an invention for—"An improved method of making signals in carriages, particularly applicable for communicating between passengers and guard in railway trains." *Provisional protection NOT granted.*
- BENZON.
2nd November 1864. 2714. EDMUND LEOPOLD SCHLESINGER BENZON, of Nicholas Lane, in the City of London, Merchant, for an invention for—"Improvements in casting steel."—*A communication to him from abroad by Anton Lohage, of Unna, Westphalia, in the Kingdom of Prussia.* *Letters Patent sealed.*
- WARDLE.
McINTYRE.
2nd November 1864. 2715. CHARLES WETHERELL WARDLE, of Leeds, in the County of York, Mechanical Engineer, Partner in the firm of Manning, Wardle and Company, and ROBERT McINTYRE, of Leeds, aforesaid, Manager for the said firm, for an invention for—"Improvements in apparatus for cutting, boring, slotting or drilling metallic or other substances." *Letters Patent sealed.*
- DAVIES.
CATE.
CATE.
3rd November 1864. 2716. WILLIAM DAVIES, and GEORGE CATE, Engineers, and WILLIAM CATE, Publisher, all of No. 7, Quality Court, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in machinery for cutting corks, bung, gun wads and other similar articles." *Complete specification; Letters Patent sealed by Order.*
- FOX.
3rd November 1864. 2717. THOMAS FOX, of Alloa, in the County of Clackmannan, North Britain, for an invention for—"An improved photographic process." *Provisional protection only.*
- DAVIES.
3rd November 1864. 2718. SAMUEL DAVIES, of Upper Welson, Eardisley, in the County of Hereford, Engineer, for an invention for—"Improvements in thrashing-machines." *Provisional protection only.*
- GARTON.
HILL.
3rd November 1864. 2719. CHARLES GARTON, of the City and County of Bristol, and THOMAS HILL, of the Town and County of Southampton, for an invention for—"Improvements in brewing, fermenting, racking and bottling beer, ale and wine." *Letters Patent sealed.*
- HUGHES.
3rd November 1864. 2720. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of hats, caps, bonnets or other coverings for the head."—*A communication to him from abroad by Emilian Knister and Marie Margaron, of Lyons, in the Empire of France.* *Letters Patent sealed.*
- NEWBOULD.
3rd November 1864. 2721. WILLIAM NEWBOULD, of Liverpool, in the County of Lancaster, Commercial Traveller, for an invention for—"Improved means and apparatus by which the proprietors of omnibuses and other vehicles can ascertain the amount of monies received by the conductors or other persons in charge of such vehicles." *Provisional protection only.*
- BREWER.
3rd November 1864. 2722. EDWARD GRIFFITH BREWER, of 89, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in inkstands."—*A communication to him from abroad by Albert Rittmeyer, of St. Gall, Switzerland.* *Letters Patent sealed.*
- SPENCER.
BALL.
3rd November 1864. 2723. HENRY WILLIAM SPENCER, and JOHN EDWARD BALL, both of Willow Terrace, Upper Grange Road, Bermondsey, in the County of Surrey, Oil Merchants, for an invention for—"An improved method of manufacturing glue and size." *Letters Patent sealed.*
- ROWE.
3rd November 1864. 2724. JOSEPH GRINDLEY ROWE, of 5, Queen Square, Westminster, for an invention for—"Improved safety apparatus applicable to railway trains." *Provisional protection only.*
- CUTLER.
3rd November 1864. 2725. JOSEPH CUTLER, of Bowman's Place, Holloway, in the County of Middlesex, for an invention for—"Improvements in the construction of overflow or waste pipes of cisterns, and in connections applicable thereto and to other pipes." *Provisional protection only.*
- BAYLISS.
3rd November 1864. 2726. WILLIAM BAYLISS, of the firm of Bayliss, Jones and Bayliss, of Monmore Green, Wolverhampton, in the County of Stafford, and Gracechurch Street, in the City of London, Iron Fencing Manufacturers, for an invention for—"Certain improvements in machinery for punching, pressing and shearing metals." *Letters Patent sealed.*

BRANT. 3rd November 1864.	2727. JOHN CHARLES BRANT, Colour Manufacturer, of Walworth, in the County of Surrey, for an invention for—"The improved method of lighting railway carriages and other conveyances." <i>Provisional protection not granted.</i>
HARRISON. 4th November 1864.	2728. ELI JAMES HARRISON, of the firm of Grice and Harrison, of Birmingham, in the County of Warwick, Coach Smiths, for an invention for—"Improvements in attaching the inside handles of carriage doors to their spindles, which improvements may also be applied to the attaching of door and other knobs to their spindles." <i>Provisional protection only.</i>
DODGE. 4th November 1864.	2729. JAMES DODGE, of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Certain improvements in the manufacture of metal 'blanks' which are to be subsequently employed in the manufacture of files, and in apparatus for the same." <i>Letters Patent sealed.</i>
HARRIS. THOMSON. 4th November 1864.	2730. HENRY BINNELL HARRIS, and JOHN PHILIP THOMSON, both of Liverpool, in the County of Lancaster, Cigar Manufacturers, for an invention for—"Certain improvements in cigars." <i>Letters Patent sealed.</i>
GILBERT. 4th November 1864.	2731. FRANCIS STEPHEN GILBERT, of Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in tools for screw driving, boring and drilling." <i>Letters Patent sealed.</i>
BAUWENS. 4th November 1864.	2732. FELIX LIEVIN BAUWENS, of Walworth, in the County of Surrey, Manufacturer, for an invention for—"Improvements in cooking food." <i>Letters Patent sealed.</i>
YATES. 4th November 1864.	2733. FREDERIC YATES, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of steel and malleable cast iron, and in apparatus to be used in such manufacture." <i>Letters Patent sealed.</i>
YATES. 4th November 1864.	2734. FREDERIC YATES, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improved apparatus for generating combustible gases." <i>Letters Patent sealed.</i>
GWYNNE. 4th November 1864.	2735. HENRY ANDERSON GWYNNE, of 19, Hanover Terrace, Regent's Park, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture and construction of centrifugal pumps and parts connected therewith, parts of which improvements are applicable to other machinery." <i>Letters Patent sealed.</i>
FRASER. 4th November 1864.	2736. ALEXANDER JOHN FRASER, of Water Lane, in the City of London, Merchant, for an invention for—"Improvements in apparatus for stamping or marking vamps, toecaps and other parts of boots and shoes, which apparatus is also applicable to stamping or marking other articles of leather." <i>Provisional protection only.</i>
BOWLEY. BOWLEY. 4th November 1864.	2737. ROBERT KANZOW BOWLEY, and KANZOW THOMAS BOWLEY, both of 53, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in spurs." <i>Letters Patent sealed.</i>
BOULTON. 4th November 1864.	2738. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, Esquire, for an invention for—"Improvements in obtaining motive-power from steam and æriform fluids and liquids." <i>Provisional protection only.</i>
KIRKHAM. ENSOM. BROOK. 4th November 1864.	2739. THOMAS NESHAM KIRKHAM, of West Brompton, VERNON FRANCIS ENSOM, of Highgate, both in the County of Middlesex, and HIRAM BROOK, of Austin Friars, in the City of London, for an invention for—"Improvements in imparting lustre to and in drying woven fabrics and piece goods." <i>Letters Patent sealed.</i>
SULLIVAN. 5th November 1864.	2740. JOHN SULLIVAN, of 77, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of oil lamps and in glasses to be used in connection therewith." <i>Letters Patent sealed.</i>
SNIDER. 5th November 1864.	2741. JACOB SNIDER, junior, of the Strand, in the County of Middlesex, Merchant, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
CROMPTON. 5th November 1864.	2742. JAMES ROGER CROMPTON, of Elton, in the County of Lancaster, Paper Maker, for an invention for—"Improvements in embossing or indenting tissue or other paper with a pattern, in imitation of laid water marks or other designs." <i>Letters Patent sealed.</i>

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| <p>ELLIS.
HILLAS.
5th November 1864.</p> | <p>2743. DEMAS ELLIS, and MATTHEW HILLAS, of Dudley Hill, Bradford, in the County of York, Worsted Manufacturers, for an invention for—"Improvements in weaving figured fabrics and in arranging jacquard apparatus used therein."
<i>Letters Patent sealed.</i></p> |
| <p>ROBERTS.
5th November 1864.</p> | <p>2744. MARTYN JOHN ROBERTS, of Pendarren, near Crickhowell, in the County of Breckon, Esquire, for an invention for—"Improvements in machinery or apparatus for sprinkling liquids over wool, cloth and other substances."
<i>Letters Patent sealed.</i></p> |
| <p>SCATTERGOOD.
5th November 1864.</p> | <p>2745. HENRY VALENTINE SCATTERGOOD, of Albany, in the State of New York, United States of America, for an invention for—"Improvements in cotton gins."
<i>Letters Patent sealed.</i></p> |
| <p>HASELTINE.
5th November 1864.</p> | <p>2746. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"A new mode of fastening rivets, screw-seats or other similar devices, in metallic plates, and also of securing thereby copper sheathing upon iron vessels."—<i>A communication to him from abroad by William Brainard Barnard, of Waterbury, Connecticut, United States of America.</i>
<i>Complete specification ; Letters Patent sealed.</i></p> |
| <p>YOUNG.
7th November 1864.</p> | <p>2747. JAMES DENOON YOUNG, of Duke Street, Adelphi, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of rolled iron railway bars or metals, girders, beams, joists and angle irons."
<i>Letters Patent sealed.</i></p> |
| <p>ESTOURNEAUX.
BEAUCHAMPS.
7th November 1864.</p> | <p>2748. ADOLPHE ESTOURNEAUX, and LOUIS BEAUCHAMPS, of Denain, in the Empire of France, for an invention for—"Certain improvements in non-conducting composition for preventing the radiation or transmission of heat or cold."
<i>Letters Patent sealed.</i></p> |
| <p>BICKÉS.
7th November 1864.</p> | <p>2749. FRANÇOIS HENRY BICKÉS, of No. 10, Rue des Messageries, Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in apparatus for distilling."
<i>Provisional protection only.</i></p> |
| <p>DUNCAN.
7th November 1864.</p> | <p>2750. GEORGE DUNCAN, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in printing machines."
<i>Provisional protection only.</i></p> |
| <p>THRIFT.
7th November 1864.</p> | <p>2751. WILLIAM THRIFT, of 20, Pennyfields, Poplar, in the County of Middlesex, for an invention for—"An improved rotary engine, pump or blast."
<i>Letters Patent sealed.</i></p> |
| <p>CULLEN.
7th November 1864.</p> | <p>2752. DAVID CULLEN, of Bolton, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of oakum, which are also applicable to 'teasing' wool, hair or similar fibrous materials."
<i>Provisional protection only.</i></p> |
| <p>SIMPSON.
7th November 1864.</p> | <p>2753. GEORGE SIMPSON, of Wood-Mill, near Todmorden, in the County of York, for an invention for—"Certain improvements in mechanism or apparatus for preventing accidents on railways."
<i>Letters Patent sealed.</i></p> |
| <p>STEVEN.
7th November 1864.</p> | <p>2754. ALEXANDER STEVEN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements relating to hydraulic presses,"
<i>Provisional protection only.</i></p> |
| <p>GEDGE.
7th November 1864.</p> | <p>2755. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for cleansing grain."—<i>A communication to him from abroad by Alexandre Philippe Outrequin, junior, of Daours, France.</i>
<i>Provisional protection only.</i></p> |
| <p>BROOMAN.
7th November 1864.</p> | <p>2756. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved packing for stuffing-boxes."—<i>A communication to him from abroad by Alix Laconfourque and Grand Perrin, of Paris, France.</i>
<i>Letters Patent sealed.</i></p> |
| <p>SLACK.
7th November 1864.</p> | <p>2757. JAMES SLACK, of Chorlton Works, Manchester, for an invention for—"Improvements in filters and filtering apparatus."
<i>Provisional protection only.</i></p> |

STANLEY. STANLEY. 7th November 1864.	2758. JOHN MARTIN STANLEY, and JABEZ STANLEY, of the Midland Works, Sheffield, in the County of York, for an invention for—"An improved method of blowing cupolas, blast furnaces, refineries, smiths' furnaces, refiners', smiths' fires and other furnaces." <i>Provisional protection only.</i>
NEWTON. SHEPARD. 7th November 1864.	2759. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, and EDWARD CLARENCE SHEPARD, of Regent's Park, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech-loading fire-arms and in the cartridges to be used therewith." <i>Letters Patent sealed.</i>
NEWTON. 7th November 1864.	2760. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved manufacture of hooped skirt."— <i>A communication to him from abroad by William Tinker Latimer, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BURGESS. 7th November 1864.	2761. CHARLES THOMAS BURGESS, of Brentwood, in the County of Essex, for an invention for—"Improvements in portable centrifugal pumps." <i>Letters Patent sealed.</i>
FIELD. 7th November 1864.	2762. ARTHUR FIELD, of Lambeth Marsh, in the County of Surrey, for an invention for—"Improvements in the manufacture of night lights." <i>Letters Patent sealed.</i>
HARDING. THOMAS. 7th November 1864.	2763. GUSTAVUS PALMER HARDING, of No. 77, Cornhill, in the City of London, Merchant, and LYNALL THOMAS, of No. 9, Union Street, Hill Street, Berkeley Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in guns and fire-arms." <i>Letters Patent sealed.</i>
ADAMS. 8th November 1864.	2764. WILLIAM BRIDGES ADAMS, of Holly Mount, Hampstead, in the County of Middlesex, Engineer, for an invention for—"Improvements in locomotive engines and trains, for the purpose of diminishing wear and risk on railways, tramways and common roads." <i>Letters Patent sealed.</i>
MONTAGUE. 8th November 1864.	2765. ROBERT MONTAGUE, of No. 12, Cowley Street, Westminster, in the County of Middlesex, Gentleman, for an invention for—"An improved apparatus for holding and regulating the cords or bands of window-blinds." <i>Provisional protection only.</i>
RIMMER. 8th November 1864.	2766. RICHARD RIMMER, of Crowe Hall, near Ipswich, in the County of Suffolk, for an invention for—"Improved apparatus for drawing off liquids." <i>Letters Patent sealed.</i>
HENSHAW. 8th November 1864.	2767. JOHN HENSHAW, of Salford, in the County of Lancaster, Agent, for an invention for—"An improved method of and apparatus for signalling and giving alarm on railways." <i>Provisional protection only.</i>
HURT. TONGE. 8th November 1864.	2768. JOHN HURT, and HENRY TONGE, of Sowerby Bridge, near Halifax, in the County of York, Corn Millers, for an invention for—"Improvements in apparatus for grinding corn." <i>Provisional protection only.</i>
MÉAULLE. 8th November 1864.	2769. LOUIS CHARLES MÉAULLE, of No. 52, Rue Bicoquet, Caen (Calvados), in the Empire of France, Surveyor of Highways, for an invention for—"An improved stamping machine." <i>Letters Patent sealed.</i>
GARTON. 8th November 1864.	2770. CHARLES GARTON, of the City and County of Bristol, for an invention for—"Improvements in obtaining power from liquids." <i>Letters Patent sealed.</i>
HALL. 8th November 1864.	2771. WILLIAM KING HALL, of Sheerness, in the County of Kent, Captain in the Royal Navy, Companion of the Bath, for an invention for—"An improved method of raising screw propellers." <i>Letters Patent sealed.</i>
BECHEM. WEDEKIND. 8th November 1864.	2772. AUGUST BECHEM, of Duisburgh, in the Kingdom of Prussia, Engineer, and HERMANN WEDEKIND, of 2, Dunster Court, Mincing Lane, in the City of London, Engineer, for an invention for—"Improvements in rolling metals and in the machinery or apparatus to be employed therein." <i>Letters Patent sealed.</i>
JOHNSON. 8th November 1864.	2773. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of yarns or threads and textile fabrics composed of flax, hemp or cotton, and in the apparatus employed therein."— <i>A communication to him from abroad by Léon Jarosson, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>

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8th November 1864. 2774. JAMES OKEY, of Stroud, in the County of Gloucester, Shoe Maker, for an invention for—"Improvements in boots and shoes." *Provisional protection only.*
- BELL.**
8th November 1864. 2775. JOHN BELL, of Hammersmith, in the County of Middlesex, Plasterer, for an invention for—"Improvements in chimney pots for the prevention of down draft and for curing smoky chimneys." *Provisional protection only.*
- MOREAU.**
8th November 1864. 2776. ADOLPHE MOREAU, of Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in extracting silver from lead."—*A communication to him from abroad by Don Francisco Marques Millan del Real, of No. 7, Rue Mautrec, Bordeaux, in the Empire of France, Engineer.* *Provisional protection only.*
- RYDBECK.**
8th November 1864. 2777. SVEN RYDBECK, of Sköfde, in the Kingdom of Sweden, for an invention for—"Improvements in breech-loading fire-arms and cartridges." *Letters Patent sealed.*
- WELCH.**
9th November 1864. 2778. JOHN DAVIS WELCH, and ALFRED PHIPPEN WELCH, both of 44, Gutter Lane, in the City of London, and of Luton, in the County of Bedford, for an invention for—"An improved mode of strengthening and giving a flexible finish to the brims of straw hats." *Letters Patent sealed.*
- GALLOWAY.**
9th November 1864. 2779. GEORGE BELL GALLOWAY, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in the production of motive-power by the use of atmospheric air in connection with water under hydraulic pressure, and in means of preventing boiler explosions." *Letters Patent sealed.*
- DIXON.**
9th November 1864. 2780. STEPHEN DIXON, of the Town and County of the Town of Nottingham, for an invention for—"The construction and arrangement of an improved letter, paper, invoice or bill-book file." *Letters Patent sealed.*
- ROBINSON.**
9th November 1864. 2781. JOHN ROBINSON, of Liverpool, in the County of Lancaster, Shipbuilder, for an invention for—"Improvements in the construction of ships and other navigable vessels." *Provisional protection only.*
- REED.**
9th November 1864. 2782. SAMUEL CARTWRIGHT REED, of Fleet Street, in the City of London, Doctor of Medicine, for an invention for—"Improvements in the construction of traps for drains, sinks, gulleys, and other places where traps are applied." *Provisional protection only.*
- RAE.**
9th November 1864. 2783. JAMES RAE, of New Cross, in the County of Kent, Engineer, for an invention for—"Improvements in the means or apparatus for transporting or conveying sea water to inland places." *Provisional protection only.*
- THOMPSON.**
9th November 1864. 2784. JAMES THOMPSON, of Bilston, in the County of Stafford, Manufacturer, for an invention for—"Certain improvements in the manufacture of gun barrels and ordnance." *Letters Patent sealed.*
- DALE.**
CARO.
MARTIUS.
9th November 1864. 2785. JOHN DALE, of Manchester, in the County of Lancaster, Manufacturing Chemist, HEINRICH CARO, of the same place, Chemist, and CARL ALEXANDER MARTIUS, of Warrington, in the said County, Chemist, for an invention for—"Improvements in obtaining colouring matters for dyeing and printing." *Letters Patent sealed.*
- NEWTON.**
9th November 1864. 2786. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved filter or press."—*A communication to him from abroad by Louis Pierre Robert de Massy and Louis Robert de Massy, of Rue St. Sebastien, Paris, in the Empire of France.* *Letters Patent sealed.*
- LANE.**
10th November 1864. 2787. FRANCIS LANE, of Wrotham Rectory, Seven Oaks, in the County of Kent, for an invention for—"An improved cap or stopper for soda-water and other bottles." *Provisional protection only.*
- MANNING.**
10th November 1864. 2788. JAMES ALEXANDER MANNING, of the Inner Temple, London, Esquire, for an invention for—"Improvements in the collection and treatment of night soil." *Letters Patent sealed.*
- ROBINSON.**
GRESHAM.
10th November 1864. 2789. JOHN ROBINSON, of the Atlas Works, in the City of Manchester, and County of Lancaster, Mechanical Engineer, and JAMES GRESHAM, of the same place, Machinist, for an invention for—"Improvements in that apparatus for raising and forcing fluids and feeding steam boilers, known as 'Giffard's Injector.'" *Letters Patent sealed.*

COOLEY. 10th November 1864.	2790. ROBERT BARLOW COOLEY, of Nottingham, in the County of Nottingham, Hat Manufacturer, for an invention for—"Improvements in the manufacture of hats, caps and bonnets or other coverings for the head, and in apparatus employed in such manufacture." <i>Letters Patent sealed.</i>
MENNONS. 10th November 1864.	2791. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in globes or shades for lighting apparatus."— <i>A communication from Olivier Pommier, a person resident at No. 78, Rue Amelot, Paris, in France.</i> <i>Provisional protection only.</i>
RUTHVEN. 10th November 1864.	2792. MORRIS WEST RUTHVEN, of Harlow Villas, East India Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in steering apparatus." <i>Letters Patent sealed.</i>
PARNACOTT. 10th November 1864.	2793. EDWARD JOSEPH WILLIAM PARNACOTT, of Leeds, in the County of York, Mill Sawyer, for an invention for—"Improved machinery for shaping and sharpening saws." <i>Letters Patent sealed.</i>
McCALL. SLOPER. 10th November 1864.	2794. JOHN MCCALL, of Houndsditch, in the City of London, Merchant, and BEVAN GEORGE SLOPER, of Walthamstow, in the County of Essex, Chemist, for an invention for—"Improvements in preserving fresh meat, poultry, game and fish, and in vessels employed therein." <i>Letters Patent sealed.</i>
BOOTE. BOOTE. 10th November 1864.	2795. THOMAS LATHAM BOOTE, and RICHARD BOOTE, of Burslem, in the County of Stafford, Potters, for an invention for—"Improvements in the manufacture of pottery and such like wares." <i>Letters Patent sealed.</i>
SIMES. 10th November 1864.	2796. JESSE SIMES, of Tonbridge, in the County of Kent, Brewer, for an invention for—"Improvements in steam and other motive-power engines." <i>Provisional protection only.</i>
BROCKETT. 10th November 1864.	2797. HENRY BROCKETT, of Sydenham, in the County of Kent, Gentleman, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
COOKE. 10th November 1864.	2798. LEONARD COOKE, of Horwich, in the County of Lancaster, Paper Manufacturer, for an invention for—"Improvements in the manufacture of paper and in the machinery employed therein, also in the manufacture of paper cloth and woven fabrics." <i>Provisional protection only.</i>
HENTY. 11th November 1864.	2799. GEORGE ALFRED HENTY, of Barmouth, North Wales, in England, Gentleman, for an invention for—"Improvements in the building or manufacture of torpedo rams." <i>Provisional protection only.</i>
WILLIS. 11th November 1864.	2800. WILLIAM WILLIS, of Birmingham, in the County of Warwick, Engraver, for an invention for—"Improvements in processes for copying or reproducing by the agency of light, drawings, engravings, lithographs and photographs, and written and printed documents." <i>Letters Patent sealed.</i>
LEES. 11th November 1864.	2801. WILLIAM LINGHAM LEES, of Aston, near Birmingham, in the County of Warwick, Carpenter and Joiner, for an invention for—"A new or improved composition or cement for uniting or joining substances together and for other purposes." <i>Letters Patent sealed.</i>
DIXON. 11th November 1864.	2802. GEORGE DIXON, of the firm of Rabone, Brothers and Company, of Birmingham, in the County of Warwick, Merchants, for an invention for—"Improvements in mills for crushing sugar and other hard substances."— <i>A communication to him from abroad by Manuel Bea, of Matanzas, Island of Cuba.</i> <i>Provisional protection only.</i>
CLARK. 11th November 1864.	2803. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means and apparatus for generating motive-power."— <i>A communication to him from abroad by Constant Jouffroy Duméry, Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 11th November 1864.	2804. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in looms."— <i>A communication to him from abroad by Théodore Mahu, Engineer, Emile Lecorney, Advocate, and Clifford de Fleury, Proprietor, all of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>

- COCKSHOTT.**
11th November 1864. 2805. JOHN COCKSHOTT, of Preston, in the County of Lancaster, Brush Manufacturer, for an invention for—"An improved machine or apparatus for cleaning forks and spoons." *Provisional protection only.*
- SMITH.**
11th November 1864. 2806. GEORGE SMITH, of Bradford, in the County of Lancaster, Size Maker, for an invention for—"Certain improvements in machinery or apparatus for drying or desiccating materials or substances containing moisture." *Letters Patent sealed.*
- KINNIBURGH.**
11th November 1864. 2807. JOHN KINNIBURGH, of the Shotts Iron Works, in the County of Lanark, North Britain, Foundry Manager, for an invention for—"Improvements in making moulds for casting and in apparatus therefor." *Letters Patent sealed.*
- GEDGE.**
11th November 1864. 2808. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved sanatory toilet apparatus."—*A communication to him from abroad by Jules Leclerc, of 39, Faubourg St. Martin, Paris, France.* *Provisional protection only.*
- FEARON.**
11th November 1864. 2809. FRANCIS FEARON, of Great George Street, Westminster, in the County of Middlesex, Gentleman, for an invention for—"Improved apparatus for softening or deadening sound." *Letters Patent sealed.*
- GEDGE.**
11th November 1864. 2810. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved moulds for moulding or casting."—*A communication to him from abroad by Celestin Magnin, Jean Hubert Keyen, Denis Adolphe Enout and Joseph Elisé Richard, all of 39, Faubourg Saint Martin, Paris, France.* *Provisional protection only.*
- THURGAR.**
WARD.
11th November 1864. 2811. WALTER CHRISTOPHER THURGAR, of the City of Norwich, Surgeon, and ROBERT ARTHUR WARD, of Maidenhead, in the County of Berks, Gentleman, for an invention for—"Improvements in developing heat, boiling water, and generating steam." *Letters Patent sealed.*
- MOHR.**
SMITH.
11th November 1864. 2812. CHARLES MOHR, and SAMUEL EDMONDS SMITH, of Birmingham, in the County of Warwick, Wireworkers, for an invention for—"Improvements in cages for birds, squirrels and other animals." *Letters Patent sealed.*
- RICHARDSON.**
11th November 1864. 2813. EDWARD RICHARDSON, of Ravensthorp, Mirfield, in the County of York, Engineer, for an invention for—"Improvements in means and apparatus for producing or effecting fog signals." *Provisional protection only.*
- HECKETHORN.**
11th November 1864. 2814. CHARLES WILLIAM HECKETHORN, of Park Road, Peckham, in the County of Surrey, for an invention for—"Improvements in the means of and apparatus for working ships' pumps, and for preventing vessels from foundering." *Provisional protection only.*
- THORNE.**
11th November 1864. 2815. JAMES THORNE, of Austin Friars, in the City of London, for an invention for—"Improvements in washing-machines." *Letters Patent sealed.*
- SUTHERLAND.**
11th November 1864. 2816. DOUGLAS SYMONDS SUTHERLAND, of No. 34, Great George Street, Westminster, Civil Engineer, for an invention for—"Improvements in machinery for compressing gunpowder for blasting or other purposes, and in cartridges for blasting." *Letters Patent sealed.*
- KEATS.**
CLARK.
11th November 1864. 2817. JOHN KEATS, and WILLIAM STEPHENS CLARK, both of Street, in the County of Somerset, Boot Manufacturers, for an invention for—"Improvements in sewing-machines." *Letters Patent sealed.*
- DAVIES.**
12th November 1864. 2818. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved knapsack supporter."—*A communication to him from abroad by De Witt Clinton Baxter, Colonel in the United States Army, Benjamin Jones Burr, junior, and Jonathan Mather Scholfeld, all of Philadelphia, Pennsylvania, United States of America.* *Provisional protection only.*
- MARTIN.**
12th November 1864. 2819. CHARLES MARTIN, of Cheapside, in the City of London, Civil Engineer, for an invention for—"Improvements in apparatus for opening and closing the heads of carriages." *Complete specification; Letters Patent sealed.*

FISHER. 12th November 1864.	2820. WILLIAM FISHER, of Hyde Park, in the County of Middlesex, Esquire, for an invention for—"New or improved apparatus or mechanism for securely closing adhesive envelopes, and for affixing stamps to letters and envelopes." <i>Provisional protection only.</i>
PAPPS. 12th November 1864.	2821. FRANCIS ADAMS PAPPS, of Bow, in the County of Middlesex, for an invention for—"Improvements in malt liquors as tonics." <i>Letters Patent sealed.</i>
McCLOSKEY. 12th November 1864.	2822. JOHN McCLOSKEY, of the City and State of New York, United States of America, for an invention for—"An improvement in sewing-machines." <i>Provisional protection only.</i>
CADMAN. 12th November 1864.	2823. CHARLES SHIRLEY CADMAN, of Burlington Arcade, in the County of Middlesex, Whip and Umbrella Manufacturer, for an invention for—"An improvement applicable to whips, umbrellas and parasols, and walking sticks and canes." <i>Provisional protection only.</i>
WOODS. COCKSEGE. 12th November 1864.	2824. EDMUND FREEMAN WOODS, and JAMES SAMUEL COCKSEGE, both of the Suffolk Iron Works, Stowmarket, for an invention for—"Improvements in apparatus used for feeding millstones." <i>Provisional protection only.</i>
RIPLEY. 12th November 1864.	2825. HENRY WILLIAM RIPLEY, of Bradford, in the County of York, Dyer, for an invention for—"Improvements in preparing wool and hair for the manufacture of yarns and piece goods." <i>Letters Patent sealed.</i>
COTTON. NUNN. 12th November 1864.	2826. CHARLES COTTON, of La Valette, Grouville, Jersey, Gentleman, and WILLIAM NUNN, of No. 179, St. George Street East, in the County of Middlesex, for an invention for—"Improvements in apparatus for facilitating communication between passengers and guards of railway trains." <i>Provisional protection only.</i>
ESPLIN. 12th November 1864.	2827. CHARLES ESPLIN, of No. 32, Tyler Street, Lambeth, in the County of Surrey, for an invention for—"Improvements in apparatus for regulating the supply of gas." <i>Provisional protection only.</i>
JONES. 12th November 1864.	2828. THOMAS JONES, of the City of Manchester, in the County of Lancaster, Gardener, for an invention for—"Improvements in boilers for heating rooms or buildings, conservatories and similar places." <i>Letters Patent sealed.</i>
DE FONTAINE-MOREAU. 12th November 1864.	2829. PETER ARMAND LE COMTE DE FONTAINE-MOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in looms for weaving."— <i>A communication from Monsieur Xavier Fluhr, a person resident at Mulhouse, in the Empire of France.</i> <i>Letters Patent sealed.</i>
GEDGE. 12th November 1864.	2830. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in pumps."— <i>A communication to him from abroad by Jules Mathieu, of Wasigny, Ardennes, France.</i> <i>Provisional protection only.</i>
BELL. LÜTHY. 14th November 1864.	2831. GEORGE BELL, and ROBERT LÜTHY, both of Bolton, in the County of Lancaster, Engineers, for an invention for—"A process for obtaining dense and 'flawless' castings of metals, and solid blocks of other substances, particularly desirable in the production of ingots for forgings, heavy pieces of ordnance, and hydraulic-press cylinders." <i>Letters Patent sealed.</i>
NOONE. 14th November 1864.	2832. GEORGE EDWARD NOONE, of No. 50, George Street, Hastings, in the County of Sussex, Civil Engineer, for an invention for—"Improvements in machinery for deodorizing and utilizing the sewage of towns, and in the treatment of other refuse to be combined therewith both liquid and solid, for manure and chemical use." <i>Letters Patent sealed.</i>
NEEDHAM. 14th November 1864.	2833. GEORGE NEEDHAM, of the firm of W. and G. Needham and Company, of Old Change, in the City of London, Mantle Manufacturers, for an invention for—"An improvement in ladies' dresses." <i>Provisional protection only.</i>
GARDNER. 14th November 1864.	2834. ROBERT GARDNER, of West Bromwich, in the County of Stafford, Iron Founder and Boiler Manufacturer, for an invention for—"Improvements in the manufacture of wrought iron boilers for brewing, washing and other purposes." <i>Provisional protection only.</i>
FARRAR. FARRAR. 14th November 1864.	2835. JOHN FARRAR, and JOSEPH FARRAR, of Elland, in the County of York, Card Makers, for an invention for—"Improvements in card covering for carding fibrous substances." <i>Provisional protection only.</i>

- HARLOW.
JOLLEY.
14th November 1864. 2836. ROBERT HARLOW, and WILLIAM JOLLEY, of Heaton Norris, near Manchester, in the County of Lancaster, for an invention for—"Improvements in cocks and valves." *Letters Patent sealed.*
- HART.
PURKIS.
14th November 1864. 2837. JOHN MATTHIAS HART, of Cheapside, in the City of London, Lock Manufacturer, and ROBERT PURKIS, of Cheam, in the County of Surrey, Engineer, for an invention for—"Improvements in means or apparatus for lubricating railway carriage and other axles and bearings or rubbing surfaces." *Provisional protection only.*
- OLIVER.
14th November 1864. 2838. CHARLES LANGFORD OLIVER, of Child-Okeford, near Blandford, in the County of Dorset, for an invention for—"Improved apparatus for brushing the hair." *Provisional protection only.*
- FIRTH.
14th November 1864. 2839. JOHN FIRTH, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the manufacture of steel and iron." *Provisional protection only.*
- RENOUS-CÉRÉ.
14th November 1864. 2840. JACQUES JULES RENOUS-CÉRÉ, of No. 1, Golden Square, in the County of Middlesex, for an invention for—"Improvements in the manufacture of manure." *Provisional protection only.*
- VICKERS.
14th November 1864. 2841. THOMAS EDWARD VICKERS, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the manufacture of steel castings." *Letters Patent sealed.*
- HENRY.
14th November 1864. 2842. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the means of or appliances for treating bodily injuries, affections and disorders, when atmospheric air is to be excluded from the part affected."—*A communication to him from abroad by Doctor Jules Guérin, of 33, Boulevard Saint Martin, Paris, France, Member of the French Imperial Academy of Medicine.* *Letters Patent sealed.*
- BAILLY.
DURAND.
MESNARD.
POIRIER.
14th November 1864. 2843. NICOLAS BAILLY, of the Town of Vesoul, in the Empire of France, Agent of the Eastern Railway of France, CHARLES DURAND, of the Town of Jussey, in the said Empire of France, Chief Draughtsman of the said Railway, GEORGE HOWARD MESNARD, of No. 4, Vimiera, Wandsworth Road, in the County of Surrey, England, Engineer, and ZACHARIE POIRIER, of No. 2, The Grove, South Lambeth, in the said County of Surrey, Merchant, for an invention for—"Improvements in the application of rolling friction to the axle-boxes and journals of running shafts and axle-trees of machines and vehicles of all descriptions, for lessening the resistance to the motion." *Letters Patent sealed.*
- HENDERSON.
15th November 1864. 2844. ARTHUR CHARLES HENDERSON, of No. 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus or receptacle for storing grain."—*A communication to him from abroad by Messieurs Adrien Labour and Antoine Prud'homme, Gentlemen, both of No. 18, Rue de l'Echiquier, Paris, in the Empire of France.* *Provisional protection only.*
- ROBINSON.
15th November 1864. 2845. GEORGE ROBINSON, of Dial Iron Works, Kingswinford, in the County of Stafford, Manufacturer, for an invention for—"Improvements in moulds for casting pipes, columns and other articles." *Provisional protection only.*
- MOUTIÉ.
15th November 1864. 2846. JEAN JOSEPH MOUTIÉ, of Paris, France, Manufacturing Chemist, for an invention for—"Improvements in treating benzole or its principal composing hydrocarbons, such as benzine, toluene or xylène, applicable also to the treatment of other hydrocarbons." *Provisional protection only.*
- ATTREE.
15th November 1864. 2847. GREGORY CULLING ATTREE, of the firm of Messieurs Lloyd and Attree, of No. 32, Wood Street, Cheapside, in the City of London, Warehousemen and Manufacturers, for an invention for—"Improved scarfs for the neck." *Provisional protection only.*
- LACHÈZ.
15th November 1864. 2848. PROSPER LACHÈZ, of Brussels, in the Kingdom of Belgium, Manager of the Company Manufacture royale de Tapis de Tournay, for an invention for—"Improvements in looms for weaving carpets and other pile fabrics." *Letters Patent sealed.*
- SMITH.
15th November 1864. 2849. JOB NIMMACK SMITH, of the City of Manchester, in the County of Lancaster, Crinoline Skirt Manufacturer, for an invention for—"Improvements in crinoline skirts." *Provisional protection only.*

2850. JAMES BULLOUGH, of Baxenden, near Accrington, in the County of Lancashire, Manufacturer, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
2851. CHARLES VERO, of Atherstone, in the County of Warwick, for an invention for—"Improvements in the manufacture of hats." *Letters Patent sealed.*
2852. ARTHUR WALL, of Clapton, in the County of Middlesex, Gentleman, for an invention for—"An improved combination or improved combinations of materials to be used as fuel." *Letters Patent sealed.*
2853. JOHN PHILIP NOLAN, Lieutenant Royal Artillery, Woolwich, for an invention for—"Improvements in the manufacture of projectiles, by cooling them either wholly or partly from the interior." *Letters Patent sealed.*
2854. JOHN ROWLEY, of Grosvenor Terrace, Wells Street, Camberwell, in the County of Surrey, for an invention for—"Improvements in the manufacture of printers' ink." *Letters Patent sealed.*
2855. THOMAS RESTELL, of The Laurels, Palace Square, Norwood, in the County of Surrey, for an invention for—"Improvements in breech-loading fire-arms." *Letters Patent sealed.*
2856. SIEGERICH CHRISTOPHER KREEFT, of Fenchurch Street, in the City of London, Merchant, for an invention for—"Improvements in the manufacture of iron and steel."—*A communication to him from abroad by Jacopo Bozza, of Naples, in the Kingdom of Italy.* *Letters Patent sealed.*
2857. RICHARD HOLIDAY, of No. 1, Cobden Street, Bromley, Middlesex, Engineer, for an invention for—"Improvements in the mode of locking or securing the levers used to work railway signals and points." *Letters Patent sealed.*
2858. MARIE DESTREM, of No. 8, Rue Lamartine, Paris, in the Empire of France, Gentleman, for an invention for—"An improved composition for painting." *Letters Patent sealed.*
2859. RICHARD ALLINSON, of Smethwick, in the County of Stafford, Manager of Works, and HENRY LEA, of Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in machinery for grinding and stripping or polishing files and file blanks, which said improvements are also applicable to machinery for grinding, shaping and polishing other articles." *Letters Patent sealed.*
2860. JAMES GOTHARD, of Birmingham, in the County of Warwick, Merchant, and HERBERT GARLAND, of the same place, Designer, for an invention for—"Improvements in fire-bars." *Letters Patent sealed; no specification filed.*
2861. FREDERICK CARR PARKER, of Dundee, in the County of Forfar, North Britain, Chemist to Her Majesty the Queen, for an invention for—"Certain improvements in the preparation of jute and other fibrous substances." *Provisional protection only.*
2862. JULES AUBIN, of Paris, Rue du Louvre, No. 8, Miller, for an invention for—"An improved mill-stone for grinding corn and other substances." *Letters Patent sealed.*
2863. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in printing machinery."—*A communication to him from abroad by Richard March Hoe, of New York, in the United States of America.* *Letters Patent sealed.*
2864. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of soda."—*A communication to him from abroad by Anel Bang, of Paris, in the Empire of France.* *Provisional protection only.*
2865. HENRY GRAFTON, of Brompton Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in roller and revolving shutters." *Provisional protection only.*
2866. JAMES HUGHES, of No. 11, Wellington Place, Wellington Street, Bethnal Green, in the County of Middlesex, for an invention for—"Improvements in jacquard cylinders." *Provisional protection only.*

- GRAFTON.
16th November 1864. 2867. HENRY GRAFTON, of Brompton Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for cutting wood into mouldings, laths and other forms." *Provisional protection only.*
- SCORE.
SIEVIER.
17th November 1864. 2868. GEORGE SCORE, of 28, Clarendon Gardens, Maida Hill, and ROBERT WILLIAM SIEVIER, of 33, Soho Square, both in the County of Middlesex, for an invention for—"Improvements in the means of communication for railway travellers with the guard." *Provisional protection only.*
- GRIMES.
17th November 1864. 2869. ROBERT GREEN GRIMES, of No. 130, Saint George Street, in the parish of Saint George in the East, in the County of Middlesex, Public House Bar Fitter, for an invention for—"Improvements in the construction and arrangement of the works and cases of beer engines." *Letters Patent sealed, and specification filed by order.*
- SHEPPARD.
17th November 1864. 2870. JOSEPH SHEPPARD, of West Brompton, in the County of Middlesex, for an invention for—"Improved arrangements for the protection of watches, purses and other valuables worn on the person." *Provisional protection only.*
- ROWATT.
17th November 1864. 2871. THOMAS ROWATT, the younger, of the firm of Thomas Rowatt and Son, of Edinburgh and London, Lamp Manufacturers, for an invention for—"Improvements in lamps for burning paraffin, belmontine, petroleum and other like hydrocarbon fluids." *Letters Patent sealed.*
- JOHNSON.
17th November 1864. 2872. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of treating the moulds or packets employed in the manufacture of gold leaf and other metal foils."—*A communication to him from abroad by Eugène François Paul Bazin, Auguste Michel Daude, and Eugène François Daude, all of Paris, in the Empire of France.* *Letters Patent sealed.*
- BOUSFIELD.
17th November 1864. 2873. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of ornamental chains."—*A communication to him from abroad by Lauriston Towne, a person resident at Providence, Rhode Island, United States of America.* *Complete specification; Letters Patent sealed.*
- WILSON.
17th November 1864. 2874. HENRY WILSON, Manager for Messieurs Powis, James and Company, of Victoria Works, Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in machinery for sawing, adzing and boring holes in sleepers for railways." *Letters Patent sealed.*
- WILSON.
17th November 1864. 2875. HENRY WILSON, Manager for Messieurs Powis, James and Company, of Victoria Works, Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in machinery for moulding and planing wood." *Letters Patent sealed.*
- HUNTER.
17th November 1864. 2876. ANDREW GEORGE HUNTER, of Rockcliff Hall, near Flint, in the County of Flint, Chemist, for an invention for—"Improvements in the manufacture of soda and potash." *Letters Patent sealed.*
- FISHER.
18th November 1864. 2877. JAMES FISHER, of West Bromwich, in the County of Stafford, Manufacturer, for an invention for—"Improvements in heating furnaces used in the manufacture of welded iron tubes." *Provisional protection only.*
- SHARP.
18th November 1864. 2878. STEPHEN SHARP, of 3, Milton Place, Euston Square, in the County of Middlesex, for an invention for—"Improvements in ships' anchors." *Provisional protection only.*
- SNELL.
18th November 1864. 2879. WILLIAM SNELL, of 16, Clement's Inn, Strand, in the County of Middlesex, for an invention for—"Certain improvements in brick and tile making machinery."—*A communication to him from abroad by Cyrus Chambers, junior, of the City of Philadelphia, in the State of Pennsylvania, United States of America.* *Complete specification; Letters Patent sealed.*
- BEHREND.
18th November 1864. 2880. JULIUS BEHREND, of Philpot Lane, in the City of London, Merchant, for an invention for—"Improved means and apparatus for raising and drawing off liquids."—*A communication to him from abroad by Hermann Straeter, of Boston, in the United States of America.* *Provisional protection only.*
- SARGEANT.
18th November 1864. 2881. WILLIAM SARGEANT, of Brafield on the Green, in the County of Northampton, for an invention for—"Improvements in the construction of horse hoes and seed or other drills." *Provisional protection only.*

BLAKELY. 18th November 1864.	2882. THEOPHILUS ALEXANDER BLAKELY, of Montpelier Square, in the County of Middlesex, late Captain Royal Artillery, for an invention for—"An improvement in working guns." <i>Letters Patent sealed.</i>
CROLL. 18th November 1864.	2883. ALEXANDER ANGUS CROLL, of Coleman Street, in the City of London, Engineer, for an invention for—"Improvements in the preparation of materials to be used in the purification of gas for illumination." <i>Letters Patent sealed.</i>
HENRY. 18th November 1864.	2884. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the mode of and apparatus for carbonizing wood, and performing other operations in which substances are treated by flame or heat."— <i>A communication to him from abroad by Pierre Hugon, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
CLARK. 18th November 1864.	2885. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in balances for weighing letters and other light articles."— <i>A communication to him from abroad by Emile Thomas Vandenbergh, Watchmaker, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
WEBSTER. LANGHAM. 18th November 1864.	2886. JOHN WEBSTER, and JOHN LANGHAM, junior, both of Liecester, for an invention for—"Improvements in machinery for producing knitted or looped fabrics." <i>Provisional protection only.</i>
WILSON. 18th November 1864.	2887. WILLIAM WILSON, of the Borough of Newcastle upon Tyne, Hat Manufacturer, for an invention for—"Improvements in the manufacture of hats." <i>Letters Patent sealed.</i>
PETRIE. 18th November 1864.	2888. JAMES PETRIE, of Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in valves for regulating the flow of steam in steam-engines." <i>Letters Patent sealed.</i>
PIESSE. 18th November 1864.	2889. SEPTIMUS PIESSE, of New Bond Street, in the County of Middlesex, Doctor of Philosophy, for an invention for—"Improvements in apparatus for creating and projecting cold vapours." <i>Provisional protection only.</i>
JONES. 18th November 1864.	2890. EDWARD STEWART JONES, of Liverpool, in the County of Lancaster, Ship Owner, for an invention for—"Improved means of obtaining and applying motive-power for the propulsion of navigable vessels." <i>Provisional protection only.</i>
PHILLIPS. 19th November 1864.	2891. JOSEPH PHILLIPS, of No. 130, Great Suffolk Street, Southwark, in the County of Surrey, for an invention for—"Improvements in apparatus for the prevention of accidents in connection with steam-boilers." <i>Letters Patent sealed.</i>
TONGUE. 19th November 1864.	2892. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in fire-arms and in cartridges for the same, also in the mode of mounting bayonets thereon."— <i>A communication to him from abroad by Florencio Redondo, a person residing at Alcoleadel Pinar, Province of Guadalajara, in the Kingdom of Spain.</i> <i>Provisional protection only.</i>
STOTT. 19th November 1864.	2893. ABRAHAM HENTHORN STOTT, of Oldham, in the County of Lancaster, Architect, for an invention for—"Certain improvements in steam-boilers or generators." <i>Provisional protection only.</i>
WILSON. WANKLYN. 19th November 1864.	2894. WILLIAM VIRGO WILSON, Chemical Manufacturer, of Jubilee Street, Mile End, and JAMES ALFRED WANKLYN, Professor of Chemistry at the London Institution, Finsbury Circus, Finsbury, London, for an invention for—"Improvements in the preparation of purple dye-stuffs." <i>Provisional protection only.</i>
PITMAN. 19th November 1864.	2895. JOHN PITMAN, of Brislington, in the County of Somerset, Gentleman, for an invention for—"An improved instrument for determining latitude and longitude, and for solving problems in navigation, nautical astronomy and geometry."— <i>The result partly of communication made to him by his late Uncle Joseph Bordwine, of Addiscombe, in the County of Surrey, and partly of invention and discovery made by himself.</i> <i>Provisional protection only.</i>
EASTON. 19th November 1864.	2896. JAMES EASTON, junior, of The Grove, Southwark, in the County of Surrey, Engineer, for an invention for—"Improved apparatus for the manufacture of paper pulp."— <i>The result partly of a communication from abroad made to him by François Thiry, of Huy, in the Kingdom of Belgium, and partly of invention and discovery made by him.</i> <i>Letters Patent sealed.</i>

- GAUKROGER.
GAUKROGER.
19th November 1864. 2897. JOHN GAUKROGER, of Hebden Bridge, in the County of York, Cotton Spinner and Manufacturer, and ALBERT GAUKROGER, of Hawkslough, near Hebden Bridge, in the aforesaid County, Manufacturer, for an invention for—"Improvements in looms for weaving."
Provisional protection only.
- PALMER.
19th November 1864. 2898. WILLIAM PALMER, junior, of Southweald, in the County of Essex, for an invention for—"Improvements in cases for carrying pipes and tobacco."
Provisional protection only.
- MACINTOSH.
THURGAR.
21st November 1864. 2899. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, and AUGUSTUS HENRY THURGAR, of Surrey Place, Norwich, in the County of Norfolk, for an invention for—"Improvements in propelling boats and in apparatus connected therewith."
Letters Patent sealed.
- PANTON.
PANTON.
21st November 1864. 2900. THOMAS WILLIAM PANTON, and HUGH PANTON, trading under the firm of Thomas William Panton and Son, of Sunderland, in the County of Durham, Iron Manufacturers, for an invention for—"A machine for machining the ends of butts of bent iron plates, which will give them even after being bent or set an almost mathematically correct geometrical form, and cause them to fit and butt against each other with extreme accuracy."
Provisional protection only.
- NEWTON.
21st November 1864. 2901. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements applicable to fire-places for heating apartments."—*A communication to him from abroad by Frédéric Passy, of Rue St. Sebastien, Paris, in the Empire of France.*
Letters Patent sealed.
- MARTIN.
21st November 1864. 2902. WILLIAM MARTIN, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.
- WILLIS.
RICE.
21st November 1864. 2903. HENRY WILLIS, of Worcester, Shoe Manufacturer, and GEORGE RICE, of Worcester, Tailor and Draper, for an invention for—"Improvements in sewing-machines and in winders for sewing-machines."
Provisional protection only.
- GRIFFITHS.
21st November 1864. 2904. JOHN GRIFFITHS, of Litchurch, near Derby, Manager of Iron Works, for an invention for—"Improvements in machinery or apparatus to be used in the manufacture of iron and steel."
Provisional protection only.
- BOURNE.
21st November 1864. 2905. STEPHEN BOURNE, of Headstone Drive, Harrow, in the County of Middlesex, for an invention for—"Improvements in vent pegs and valves, chiefly applicable for regulating the passage of air or gas or other fluids into and from vessels containing beer and like liquids."
Letters Patent sealed.
- NEWTON.
22nd November 1864. 2906. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in the manufacture of sugar and in the machinery to be used therein."—*A communication to him from abroad by Charles Rostand, of Rue St. Sebastien, Paris, in the Empire of France.*
Letters Patent sealed.
- LEETCH.
22nd November 1864. 2907. JAMES LEETCH, Gun Maker, of 315, Oxford St., London, W., for an invention for—"The improvement of breech-loading fire-arms and cartridges to be used therewith."
Provisional protection only.
- ECKERSLEY.
22nd November 1864. 2908. HENRY ECKERSLEY, of Oldham, in the County of Lancaster, Manager, for an invention for—"Improvements in the method of weaving piled fabrics termed 'satteens.'"
Provisional protection only.
- WYLIE.
REW.
22nd November 1864. 2909. JOHN WYLIE, Manufacturer, and JAMES REW, Mechanic, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for the manufacture of 'impressed-gold' and similar paper hangings."
Provisional protection only.
- KÖTTGEN.
22nd November 1864. 2910. GUSTAV KÖTTGEN, of the firm of Cleff, Brothers, of Barmen, in the Kingdom of Prussia, for an invention for—"Improvements in the manufacture of pockets, which improvements are also applicable to the manufacture of bags for containing cash samples or for other similar purposes."
Letters Patent sealed.
- MAQUET.
22nd November 1864. 2911. HECTOR LEÓN MAQUET, of 2, Rue Sainte-Appoline, Paris (Empire of France), Merchant, for an invention for—"Improvements in instruments or apparatus for stamping or pressing in colors and otherwise."
Letters Patent sealed.

SNIDER. 22nd November 1864.	2912. JACOB SNIDER, junior, of Sullivan County, State of Pennsylvania, United States of America, but at present residing in the Strand, London, Merchant, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
IBOTSON. 22nd November 1864.	2913. WILLIAM IBOTSON, of Wraysbury, in the County of Bucks, Paper Manufacturer, for an invention for—"Improvements in the preparation of pulp for the manufacture of paper." <i>Letters Patent sealed.</i>
GAY. 22nd November 1864.	2914. PAULIN ETIENNE GAY, of Paris, Rue de Grenelle St. Honoré, No. 5, Contractor, for an invention for—"Improved machinery for excavating and cutting rock and stone in general." <i>Letters Patent sealed.</i>
SHOREY. GIBSON. 22nd November 1864.	2915. THOMAS SHOREY, and GEORGE GIBSON, both of South Shields, in the County of Durham, for an invention for—"Improvements in reefing and furling sails." <i>Provisional protection only.</i>
DURAND. 22nd November 1864.	2916. JEAN CLAUDE LOUIS DURAND, of Montée des Vierges, Roche-cardon, Lyons, in the Empire of France, for an invention for—"Improvements in the manufacture of coloring matter, and in treating fabrics and materials dyed or printed therewith." <i>Provisional protection only.</i>
MORRISON. 2nd November 1864.	2917. ROBERT MORRISON, of the Town and County of the Town of Newcastle upon Tyne, Engineer, for an invention for—"Improvements in steam hammers, anvil blocks and their foundations." <i>Letters Patent sealed.</i>
BRISBANE. 22nd November 1864.	2918. THOMAS MAKDOUGALL BRISBANE, of Liverpool, in the County of Lancaster, Shipwright and Surveyor to "American Lloyds," for an invention for—"An improved power engine to be worked by steam or other elastic fluid." <i>Letters Patent sealed.</i>
HODGSON. 23rd November 1864.	2919. NATHAN HODGSON, of Cambridge Cottage, New Barnet, Hertfordshire, Machinist, for an invention for—"An improved apparatus for washing, wringing, rinsing and mangling." <i>Provisional protection only.</i>
DE BAYELT. VIGOULÉTE. 23rd November 1864.	2920. GUSTAVE MAILLARD DE BAYELT, of 35, Nelson Square, in the County of Surrey, Gentlemen, and JOSEPH EMILE VIGOULÉTE, of 5, Nelson Square, in the County of Surrey, Analytical Chemist, for an invention for—"An improved method of compounding by agglomeration artificial fuel." <i>Letters Patent sealed.</i>
GARNETT. 23rd November 1864.	2921. PETER GARNETT, of Cleckheaton, in the County of York, Machine Maker, for an invention for—"Improvements in machines for opening and scribbling fibrous substances, and in the tools employed in the construction of inserted toothed wire rollers." <i>Letters Patent sealed.</i>
PALEY. RAWSTHORNE. 23rd November 1864.	2922. JOHN PALEY, of Preston, Cotton Spinner, and THOMAS RAWSTHORNE, of Preston, Manager, both in the County of Lancaster, for an invention for—"Improvements in mules for spinning." <i>Letters Patent sealed.</i>
MILLNS. 23rd November 1864.	2923. FRANCIS MILLNS, of Poole, in the County of Dorset, Gentleman, for an invention for—"An improved method of cooling liquids, particularly applicable to the cooling of wort." <i>Letters Patent sealed.</i>
PRICE. 23rd November 1864.	2924. STROTHER PRICE, of Highbury, in the County of Middlesex, Commercial Traveller, for an invention for—"An improved apparatus for lifting or assisting to lift window-sashes and other like frames." <i>Letters Patent sealed.</i>
PRIOLEAU. 23rd November 1864.	2925. GERMAIN PRIOLEAU, of Montignac sur Vézère, Département of Dordogne, in the Empire of France, Harness Maker, at present residing at 3, Percy Street, Fitzroy Square, in the County of Middlesex, for an invention for—"A new apparatus for instantaneously releasing horses from carriages." <i>Letters Patent sealed.</i>
GISBORNE. 23rd November 1864.	2926. JOHN SACHEVERELL GISBORNE, of Liverpool, in the County of Lancaster, Electrical Engineer, for an invention for—"Improvements in mechanical apparatus by which motion can be communicated or transmitted from one place to another, and between different parts of a ship or other structure, to exhibit orders, messages or signals." <i>Letters Patent sealed.</i>
PFANHAUSER. 23rd November 1864.	2927. FRANCOIS PFANHAUSER, of Winsley Street, in the County of Middlesex, for an invention for—"An improved process of tanning." <i>Complete specification; Letters Patent sealed.</i>

- OBERDOERFFER.**
23rd November 1864. 2928. ADOLPH OBERDOERFFER, Merchant, of 54, Regent Street, Quadrant, in the County of Middlesex, for an invention for—"An improvement in butt-pieces for sear-holders."
Provisional protection only.
- HAGGIE.**
GLEDHILL.
23rd November 1864. 2929. PETER HAGGIE, of Gateshead on Tyne, Merchant, and PETER GLEDHILL, of Newcastle on Tyne, Mechanical Engineer, for an invention for—"Improvements in machinery employed when getting coal, stone and minerals."
Letters Patent sealed.
- BRUNTON.**
23rd November 1864. 2930. GEORGE BRUNTON, of Sheffield, in the County of York, Buff and Glazer Maker, for an invention for—"Improvements in means or apparatus for smoothing and polishing."
Letters Patent sealed.
- MOLYNEUX.**
24th November 1864. 2931. ECHLIN MOLYNEUX, junior, of Seaview, Enniskerry, in the County of Wicklow, Ireland, Civil Engineer, for an invention for—"Improvements in travelling railways."
Provisional protection only.
- KISSACK.**
24th November 1864. 2932. JOHN KISSACK, of Liverpool, in the County of Lancaster, Iron Founder, for an invention for—"Improvements in warming and ventilating apparatus."
Letters Patent sealed.
- EASTWOOD.**
WADSWORTH.
24th November 1864. 2933. JAMES EASTWOOD, of Blackburn, in the County of Lancaster, Machine Maker, and WILLIAM WADSWORTH, of Manchester, in the same County, Gentleman, for an invention for—"An improved means or method of and apparatus to be employed for 'finishing' cotton pieces in the gray."
Letters Patent sealed.
- SANG.**
24th November 1864. 2934. FREDERICK SANG, of Buckingham Street, Adelphi, in the County of Middlesex, Architect and Decorative Artist, for an invention for—"A new or improved ventilating cupola chandelier."
Provisional protection only.
- WHEBLE.**
24th November 1864. 2935. ROBERT WHEBLE, of Pall Mall East, in the County of Middlesex, Esquire, for an invention for—"Improvements in the means of and apparatus for communicating between passengers, guards and drivers of railway trains."
Provisional protection only.
- PERKINS.**
24th November 1864. 2936. THOMAS PERKINS, of Hitchin, in the County of Herts, for an invention for—"Improvements in apparatus for washing coprolites."
Provisional protection only.
- WHITE.**
24th November 1864. 2937. JOHN WHITE, of Finchley, in the County of Middlesex, Surgeon, for an invention for—"Improvements in means or apparatus employed in purifying, changing the temperature and impregnating atmospheric air, which improvements are also applicable to the purification or separation of gases or vapours, and part of which improvements is also applicable in obtaining motive-power for other purposes."
Letters Patent sealed.
- KEILLER.**
24th November 1864. 2938. WEDDERSPOON KEILLER, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the preparation of marmalade and similar condiments, and in the machinery, apparatus or means employed therefor."
Provisional protection only.
- RYDER.**
24th November 1864. 2939. WARD RYDER, of 44, Saint John's Square, Clerkenwell, in the County of Middlesex, Medical Glass Manufacturer, for an invention for—"Burning paraffin and such like oils in lamps, chandeliers, and as night lights, by means of an 'inconsumable metalikos wick or burner,' with or without a smoke chimney."
Complete specification ; protection for SIX months only.
- VALANT.**
24th November 1864. 2940. LOUIS VALANT, of Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in apparatus for feeding steam-boilers and other reservoirs for liquid, and for regulating the level therein."—*The result partly of communications made to him by Paul Valant and François Ternois, persons resident at Imphy, in the Empire of France, Engineers, and partly of invention and discovery by himself.*
Letters Patent sealed.
- GAIFFE.**
ZOLINICKI.
24th November 1864. 2941. PIERRE ELIE GAIFFE, and EUGENE ZOLINICKI, of Paris, Rue de L'Ouest, No. 68, Electro-Engravers, for an invention for—"Improved apparatus for engraving."
Letters Patent sealed.
- COTTAM.**
24th November 1864. 2942. EDWARD COTTAM, of the firm of Robinson and Cottam, of Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in hydraulic presses."
Letters Patent sealed.

BROOMAN. 24th November 1864.	2943. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved lighting composition, and an improved apparatus for lighting, together with the employment of phosphorous materials for the lighting of cigars, pipes and other articles."— <i>A communication to him from abroad by Charles de Changy, of Brussels, Belgium.</i> <i>Provisional protection only.</i>
CLARK. 24th November 1864.	2944. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the metallic ornamentation of feathers, plumes and other like articles."— <i>A communication to him from abroad by Adolphe Pierre Viol and Césaire Pierre Duflot, junior, Feather Manufacturers, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
CROMPTON-ROBERTS. 24th November 1864.	2945. CHARLES HENRY CROMPTON-ROBERTS, of Sunnyside, Upper Avenue Road, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in the treatment or preparation of drying oils, certain gums and varnishes." <i>Provisional protection not granted.</i>
WARD. 25th November 1864.	2946. WILLIAM WARD, of No. 44, Newgate Street, in the City of London, for an invention for—"Improvements in table covers." <i>Letters Patent sealed.</i>
SIEVIER. 25th November 1864.	2947. ROBERT WILLIAM SIEVIER, of Rochester Road, Camden Town, in the County of Middlesex, for an invention for—"Improvements in cannons, mortars or guns." <i>Provisional protection only.</i>
LEISLER. 25th November 1864.	2948. LOUIS LEISLER, of Glasgow, in the County of Lanark, North Britain, Merchant, for an invention for—"Improvements in obtaining bromine and bromides, and in apparatus therefor." <i>Letters Patent sealed.</i>
GRUNDY. 25th November 1864.	2949. JOHN GRUNDY, of Tyldesley, in the County of Lancaster, Flour Dealer, for an invention for—"Improvements in apparatus for heating rooms or buildings." <i>Letters Patent sealed.</i>
KNOWLES. 25th November 1864.	2950. THOMAS KNOWLES, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in switches or points for railways." <i>Provisional protection only.</i>
REEVES. 25th November 1864.	2951. CHARLES REEVES, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in breech-loading fire-arms and in cartridges for breech-loading fire-arms, a part of which improvements may also be applied to ordnance." <i>Letters Patent sealed.</i>
LAWS. 25th November 1864.	2952. TIMOTHY BUSH LAWS, of 19, Wellclose Square, St. George's in the East, for an invention for—"Improvements in pipes for smoking." <i>Provisional protection only.</i>
CROZAT. 25th November 1864.	2953. LEANDRO CROZAT, of Seville, in the Kingdom of Spain, and of 53, Chancery Lane, in the County of Middlesex, Merchant and Photographer, for an invention for—"Improvements in photographic processes and in portraits or images produced thereby." <i>Provisional protection only.</i>
NEWTON. 25th November 1864.	2954. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in hasp locks."— <i>A communication to him from abroad by the Excelsior Lock Company, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
HARTLEY. HALL. 26th November 1864.	2955. CHARLES HARTLEY, of Salford, in the County of Lancaster, Machinist, and THOMAS HALL, of the City of Manchester, Machinist, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
EVANS. 26th November 1864.	2956. JOHN EVANS, of Birmingham, in the County of Warwick, Bell Founder, for an invention for—"Improvements in bells." <i>Letters Patent sealed.</i>
HEINZMANN. 26th November 1864.	2957. MARK FREDERICK HEINZMANN, of Bradford, in the County of York, Merchant, for an invention for—"Improvements in apparatus for eyeletting boots, shoes and other articles requiring eyelets."— <i>A communication to him from abroad by Cauchy Fournier, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
ROWLEY. 26th November 1864.	2958. JOHN ROWLEY, of Leeds, in the County of York, for an invention for—"Improvements in machinery or apparatus for separating or recovering the fibres of wool from fabrics or materials composed of wool combined with cotton or other fibres." <i>Provisional protection only.</i>

- LUND.
26th November 1864. 2959. LAURENTIUS ANDREAS WALDEMAR LUND, of Chandos Street, St. Martin's, in the County of Middlesex, for an invention for—"Improvements in the manufacture of studs, buttons, brooches, bracelets, ear-rings, baskets, vases and other such like articles and fastenings." *Letters Patent sealed.*
- GREENHALGH.
28th November 1864. 2960. THOMAS GREENHALGH, of the City of Manchester, Yarn Agent, for an invention for—"Certain improvements in steam-engines and rotary pumps." *Letters Patent sealed.*
- NEWSUM.
28th November 1864. 2961. GEORGE NEWSUM, of Hunslet, in the Parish of Leeds, in the County of York, for an invention for—"Improvements in hauling apparatus especially applicable to agricultural purposes." *Provisional protection only.*
- CARRETT.
WARRINGTON.
STURGEON.
28th November 1864. 2962. WILLIAM ELLIOTT CARRETT, of Leeds, in the County of York, Engineer, JOHN WARRINGTON, of Kippax, in the County of York, Coal Owner, and JOHN STURGEON, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in machinery for cutting coal, stone or other minerals." *Letters Patent sealed.*
- CROMPTON.
28th November 1864. 2963. JAMES ROGER CROMPTON, of Elton, in the County of Lancaster, Paper Maker, for an invention for—"Improvements in machinery for the manufacture of paper." *Provisional protection only.*
- SMITH.
28th November 1864. 2964. JOHN SMITH, of Cheetham, in the City of Manchester, Dyer and Finisher, for an invention for—"Improvements in preparing linen, jute and other textile fabrics to be oiled for packing purposes." *Provisional protection only.*
- MONTAIGUE.
28th November 1864. 2965. LODI MONTAIGUE, of No. 11, Rue Villedo, in the City of Paris, in France, Mechanician, for an invention for—"An improved turbine for drying sugar and other watery matters." *Provisional protection only.*
- JOHNSON.
28th November 1864. 2966. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the mode of and apparatus for stopping bottles."—*A communication to him from abroad by Henry Bateman Goodyear, of New Haven, in the State of Connecticut, United States of America.* *Provisional protection only.*
- MAURICE.
28th November 1864. 2967. SAMUEL SOLOMON MAURICE, of Watling Street, in the City of London, Commission Agent, for an invention for—"An improvement in collars for the neck."—*A communication to him from abroad by Simon Hayem, aîné, of 38, Rue du Sentier, Paris, France.* *Provisional protection only.*
- JACKSON.
GLAHOLM.
GLAHOLM.
29th November 1864. 2968. WILLIAM JACKSON, of Sunderland, in the County of Durham, Engineer, and JOHN GLAHOLM, and WILLIAM GLAHOLM, of Bishopwearmouth, in the said County, Brass Founders, for an invention for—"Improvements in the construction of hydro-beer pumps." *Letters Patent sealed.*
- MENNONS.
29th November 1864. 2969. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of Abingdon Chambers, in the City of Westminster, and 24, Rue de Dunkerque, Paris, in the Empire of France, for an invention for—"Improvements in hot blast furnaces."—*A communication to him from abroad by Nicolas de Telescheff, of No. 19, Ofitzerskaia, Saint Petersburg, Russia, late Captain of Artillery of the Imperial Guard.* *Letters Patent sealed.*
- MAYNARD.
29th November 1864. 2970. ROBERT MAYNARD, of Whittlesford, in the County of Cambridge, for an invention for—"Improvements in machinery for cutting, separating, grinding and crushing agricultural produce." *Letters Patent sealed.*
- GORDON.
29th November 1864. 2971. ALICE ISABEL LUCAN GORDON, of Hyde Park, in the County of Middlesex, for an invention for—"Improvements in hats." *Letters Patent sealed.*
- AXTON.
LEACH.
29th November 1864. 2972. GEORGE AXTON, of Shepherd's Bush, in the County of Middlesex, and JOHN LEACH, of Hounslow, in the County of Middlesex, for an invention for—"Improved apparatus and machinery for making bricks." *Letters Patent sealed.*
- FAKMAN.
29th November 1864. 2973. CARL JOHANN FAKMAN, of St. Petersburg, in the Empire of Russia, but now residing at the Craven Hotel, Craven Street, Strand, in the County of Middlesex, for an invention for—"Improvements in apparatus for distilling and purifying spirituous liquors, also applicable to the purification of other volatile fluids." *Letters Patent sealed.*

GÂCHE. 29th November 1864.	2974. VINCENT GÂCHE, Builder, of Nantes, in the Empire of France, for an invention for—"An improved system of paving." <i>Provisional protection only.</i>
DAVIES. 29th November 1864.	2975. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in machines for sweeping roads or ways."— <i>A communication to him from abroad by Léon Monfils, Superintendent on the Western Railway, Paris, France.</i> <i>Letters Patent sealed.</i>
WHEATLEY. 29th November 1864.	2976. ARTHUR WHEATLEY, of 14, Upper Montague Street, Montague Square, in the County of Middlesex, Major General retired list, Bengal Army, for an invention for—"Improvements in obtaining heat for generating steam in steam-boilers." <i>Provisional protection only.</i>
DE BOULIMBERT. 29th November 1864.	2977. JOSEPH DURIS DE BOULIMBERT, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Gentleman, for an invention for—"A new kind of cigar made of other materials than tobacco." <i>Letters Patent sealed.</i>
PINAUD. 29th November 1864.	2978. JUSTE PINAUD, of Paris, Rue Richelieu, No. 89, Householder, for an invention for—"An improved apparatus to be applied to carriages for controlling or indicating the time engaged and the amount of fares." <i>Provisional protection only.</i>
NEWTON. 29th November 1864.	2979. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for pressing and baling goods."— <i>A communication to him from abroad by John Henry Gove, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
DOBBS. 29th November 1864.	2980. ARCHIBALD EDWARD DOBBS, of Balliol College, Oxford, B.A., and of Lincoln's Inn, now residing at 20, Victoria Road, South Hampstead, in the County of Middlesex, Esquire, for an invention for—"An improved apparatus for taking deep sea soundings without the use of a line, and for bringing up specimens of the sea-bottom and sea water from the greatest depth." <i>Provisional protection only.</i>
DALE. 30th November 1864.	2981. RICHARD FARRALL DALE, of Shoe Lane, of the City of London, Manufacturer, for an invention for—"A new apparatus to be employed in drawing off and measuring paraffin and other oils, applicable also in drawing beer and other liquids, and measuring the same." <i>Letters Patent sealed.</i>
OTWAY. 30th November 1864.	2982. EDMUND WINDER OTWAY, of Reading, in the County of Berks, Engineer, for an invention for—"Improvements in machinery for ginning or cleaning cotton." <i>Letters Patent sealed.</i>
MATTHEWS. 30th November 1864.	2983. WILLIAM JAMES MATTHEWS, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms, and in converting muzzle-loading fire-arms into breech-loading fire-arms." <i>Letters Patent sealed.</i>
HENRY. 30th November 1864.	2984. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in means or apparatus for indicating, signalling, registering, measuring and stopping escapes of gas."— <i>A communication to him from abroad by Edmond Langlois, Engineer, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
CAUNTER. 30th November 1864.	2985. HENRY CAUNTER, of Stornoway, in the Island of Lewis, and County of Ross, for an invention for—"Improvements in preserving ships' bottoms and other surfaces under water, and in preventing the formation of barnacles and other accumulations thereon, which improvements are also applicable as a preservative from the effects of moisture or damp, and as a cure or preventive of the scab in sheep, and a protection to them from the effects of damp and exposure." <i>Letters Patent sealed.</i>
BANGER. 30th November 1864.	2986. JOHN BANGER, of Oxford Street, in the County of Middlesex, Shrimp Sauce Manufacturer, for an invention for—"Improvements in preparing and potting the roes of fish." <i>Provisional protection only.</i>
DÖERING. 30th November 1864.	2987. FREDERICK BERNARD DÖERING, of Bayswater, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in levels and other instruments requiring nice adjustment." <i>Letters Patent sealed.</i>

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| <p>BROOMAN.
12th December 1864.</p> <p>MONCRIEFF.
12th December 1864.</p> <p>MATHERS.
12th December 1864.</p> <p>BAKER.
12th December 1864.</p> <p>MULHOLLAND.
13th December 1864.</p> <p>ADAMS.
13th December 1864.</p> <p>JOHNSON.
13th December 1864.</p> <p>KENDALL.
13th December 1864.</p> <p>BROOMAN.
13th December 1864.</p> <p>BRITTLEBANK.
13th December 1864.</p> <p>CULLINGFORD.
13th December 1864.</p> <p>PEMBERTON.
FORD.
13th December 1864.</p> <p>NEWTON.
13th December 1864.</p> <p>ELLIOTT.
13th December 1864.</p> <p>OTWAY.
14th December 1864.</p> | <p>3076. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new method of ornamenting fabrics."
<i>—A communication to him from abroad by François Vouillon, of Louviers, France.</i>
<i>Provisional protection only.</i></p> <p>3077. ALEXANDER MONCRIEFF, of Edinburgh, in the County of Midlothian, North Britain, Captain in the Edinburgh Militia Artillery, for an invention for—"Improvements in mounting ordnance, and in the machinery, apparatus or means connected therewith."
<i>Provisional protection only.</i></p> <p>3078. ROBERT MATHERS, of Boundary Terrace, Burley Road, Leeds, in the County of York, for an invention for—"Improvements in sawing-machinery."
<i>Letters Patent sealed.</i></p> <p>3079. ALBERT BAKER, of Walpole Street, New Cross, in the County of Surrey, formerly a Master Mariner, for an invention for—"Improvements in apparatus for ascertaining the depth of water and the speed of ships or vessels."
<i>Provisional protection only.</i></p> <p>3080. FREDERICK GEORGE MULHOLLAND, of No. 36, Essex Street, Strand, in the City of Westminster, and County of Middlesex, Civil Engineer, for an invention for—"Improvements in purifying rosin or other substances of a similar kind and character."
<i>Letters Patent sealed.</i></p> <p>3081. WILLIAM BRIDGES ADAMS, of Holly Mount, Hampstead, in the County of Middlesex, Engineer, for an invention for—"Improvements in railways and tramways."
<i>Letters Patent sealed.</i></p> <p>3082. RICHARD HELSBY JOHNSON, of Ecclestone, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in the construction of glass makers' 'pots,' and in the application of heat to the materials or glass 'metal' contained therein."
<i>Letters Patent sealed.</i></p> <p>3083. CHARLES KENDALL, of 29, High Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in atmospheric railway breaks and communications."
<i>Letters Patent sealed.</i></p> <p>3084. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in or a new or improved composition for preserving and ornamenting stone, wood and other substances."
<i>—A communication to him from abroad by Ferdinand Miller, of Nancy, France.</i>
<i>Provisional protection only.</i></p> <p>3085. ARTHUR BRITTLEBANK, of No. 3, Bozier's Court, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in apparatus used when brushing the human hair."
<i>Provisional protection only.</i></p> <p>3086. WILLIAM HENRY CULLINGFORD, of Phillimore Gardens, Kensington, in the County of Middlesex, Builder, for an invention for—"Improvements in thermometers."
<i>Provisional protection only.</i></p> <p>3087. ALFRED PEMBERTON, of Eccles, in the County of Lancaster, Agent, and JOHN FORD, of Ordsall Lane, Salford, in the said County, Manager, for an invention for—"Improvements in apparatus for effecting the drag in throstle spinning and doubling."
<i>Letters Patent sealed.</i></p> <p>3088. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Certain improvements in solar time-pieces."
<i>—A communication to him from abroad by Theodore Ruggles Timby, of Saratoga Springs, in the State of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>3089. GEORGE ELLIOTT, Manager to Messieurs Fowler and McCollin, of the Vulcan Iron Works, Hull, in the County of York, for an invention for—"Improved means of and apparatus for working capstans on shipboard and elsewhere."
<i>Provisional protection only.</i></p> <p>3090. EDMUND WINDER OTWAY, of Reading, in the County of Berks, Engineer, for an invention for—"Improvements in roller gins for ginning or cleaning cotton."
<i>Letters Patent sealed and specification filed by order.</i></p> |
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KITTLE. 2nd December 1864.	3004. SAMUEL PARKER KITTLE, of Brooklyn, in the County of Kings, and State of New York, United States of America, for an invention for—"Improvements in folding spring mattresses." <i>Letters Patent sealed.</i>
GRAY. 2nd December 1864.	3005. THOMAS WOOD GRAY, of No. 1, Margaret Street, Limehouse, in the County of Middlesex, Engineer, for an invention for—"Improvements in pumps." <i>Provisional protection only.</i>
CLARK. 2nd December 1864.	3006. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means and apparatus employed for actuating railway brakes."— <i>A communication to him from abroad by François Ferdinand Auguste Achard, Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
WAILLES. COOPER. 2nd December 1864.	3007. GEORGE WAILLES, of Stroud, in the County of Gloucester, Engineer, and BENJAMIN COOPER, of Frome, in the County of Somerset, Manufacturer, for an invention for—"Improvements in apparatus to be employed in the feeding of scribbling and carding engines." <i>Letters Patent sealed.</i>
POLLOCK. 2nd December 1864.	3008. WILLIAM POLLOCK, of Glasgow, in the County of Lanark, North Britain for an invention for—"Certain improvements in the manufacture of textile fabrics and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
COWPER. 2nd December 1864.	3009. EDWARD ALFRED COWPER, of No. 35A, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for separating cotton fibre from the seed, and also for cleansing the seed after the fibre has been separated therefrom." <i>Letters Patent sealed.</i>
BEVAN. FLEMING. 3rd December 1864.	3010. EDWARD BEVAN, of Birkenhead, in the County of Chester, Watch Manufacturer, and ABEL FLEMING, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"An improvement in the construction of bottles, jars and like vessels of capacity, and improved means for securing or fastening corks and other stoppers therein." <i>Provisional protection only.</i>
FRANCE. 3rd December 1864.	3011. JOHN FRANCE, of No. 1, Gloucester Terrace, Clarendon Road, Notting Hill, in the County of Middlesex, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
CRAWFORD. 3rd December 1864.	3012. JOHN KENNEDY CRAWFORD, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in producing ornamental fabrics." <i>Letters Patent sealed.</i>
BROOMAN. 3rd December 1864.	3013. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for heating and cooking by gas."— <i>A communication to him from abroad by François Alphonse Jacquet, of Reims, France.</i> <i>Provisional protection only.</i>
BROOMAN. 3rd December 1864.	3014. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved comb or ornament for the back of the head of ladies."— <i>A communication to him from abroad by François Xavier Alexis Fauvelle Delebarre and Jules François Xavier Fauvelle Delebarre, residing in Paris, France.</i> <i>Provisional protection only.</i>
LANCASTER. 3rd December 1864.	3015. CHARLES WILLIAM LANCASTER, of New Bond Street, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in fuzes." <i>Provisional protection only.</i>
PROFFITT. 3rd December 1864.	3016. JOHN WILLIAM PROFFITT, of 58, Lincoln's Inn Fields, in the County of Middlesex, Land Agent and Surveyor, for an invention for—"Improvements in railway carriage and passenger signals." <i>Letters Patent sealed.</i>
ULRICH. 3rd December 1864.	3017. JOHN GOTTLIEB ULRICH, of Wellclose Square, in the County of Middlesex, for an invention for—"Improvements in the means and contrivances employed in the packing, conveying and storing of gunpowder and other explosive materials, to prevent the accidental explosion thereof." <i>Provisional protection only.</i>
SIEMENS. 3rd December 1864.	3018. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in apparatus for the production, purification and combustion of gases for heating purposes." <i>Letters Patent sealed.</i>

- HASELTINE.**
5th December 1864. **3019.** GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved combined infant tender and exercising apparatus."—*A communication to him from abroad by Myron Perry, of the City, County, and State of New York, United States of America.*
Complete specification; Letters Patent sealed.
- WINTER.**
5th December 1864. **3020.** JOHN GANO WINTER, of Chester, in the County of Chester, for an invention for—"Improvements in revolving retorts and in the mode of applying heat to the same, designed for producing oil from coals, shales, cannels and other substances, or for distilling oils."
Letters Patent sealed.
- WILSON.**
5th December 1864. **3021.** HENRY WILSON, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in pumps."
Provisional protection only.
- TYE.**
5th December 1864. **3022.** RICHARD TYE, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in sliding gasaliers, gas pendants and gas lamps."
Letters Patent sealed.
- YOUNG.**
5th December 1864. **3023.** SAMUEL YOUNG, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in mechanism or apparatus for obtaining motive-power."
Provisional protection not granted.
- SHAW.**
5th December 1864. **3024.** RICHARD SHAW, of Patricroft, in the County of Lancaster, Cotton Spinner, for an invention for—"Improved arrangements for locking and unlocking the doors of railway carriages."
Provisional protection only.
- GOODIER.**
LEE.
5th December 1864. **3025.** JAMES GOODIER, of the City and County of Chester, Miller, and THOMAS LEE, of the same place, Manager, for an invention for—"Improvements in mills for grinding grain and other substances."
Provisional protection only.
- CLARK.**
5th December 1864. **3026.** WILLIAM CLARK, of Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in fire-arms, cartridges and cannon, and in an improved method of fixing the bayonets of fire-arms."—*A communication to him from abroad by Hiram Berdan, of New York City, in the United States of America.*
Letters Patent sealed.
- YEARSLEY.**
TIMBRELL.
5th December 1864. **3027.** JOHN YEARSLEY, of East Smithfield, in the County of Middlesex, Rice Merchant, and EDWARD TIMBRELL, of Saint George's in the East, in the same County, Foreman, for an invention for—"Improvements in apparatus for cleaning rice, and a new composition to be used therein."
Letters Patent sealed.
- NEWTON.**
5th December 1864. **3028.** WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Certain improvements in hand stamps."—*A communication to him from abroad William Wirt Secombe, of New York City, in the United States of America.*
Letters Patent sealed.
- NEWTON.**
5th December 1864. **3029.** WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of operating guns in fortifications and floating batteries, and in the construction of rotating towers for the same."—*A communication to him from abroad by James Buchanan Eads, of St. Louis, Missouri, in the United States of America.*
Letters Patent sealed.
- ATKINS.**
6th December 1864. **3030.** THOMAS ATKINS, of 62, Fleet Street, in the City of London, and Belle Vue House, Chepstow, in the County of Monmouth, Civil and Gas Engineer, for an invention for—"Combining apparatus used for regulating, adjusting and indicating the supply and flow of hydro-carbon and other gases and vapours, with improved apparatus for effecting the perfect carburation and purification of such gases and vapours for illuminating and other purposes, and for improvements in the construction of the apparatus for effecting the same."
Provisional protection only.
- LAMPLUGH.**
6th December 1864. **3031.** HENRY LAMPLUGH, of Driffield, in the County of York, Ironmonger, for an invention for—"Improvements in trucks or carts for carrying and elevating sacks or other heavy bodies."
Provisional protection only.
- BLAMPOIL.**
6th December 1864. **3032.** ALEXANDRE BLAMPOIL, of No. 15, Passage des Petites Ecuries, Paris, France, Mechanical Engineer, for an invention for—"Improved smoke consuming apparatus applicable to the boilers of locomotives and stationary engines."
Letters Patent sealed.

GEDGE. 6th December 1864.	3033. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in clock-work."— <i>A communication to him from abroad by Emile Marie Girard, of 15, Passage des Petites Ecuries, Paris, France, Clockmaker.</i> <i>Provisional protection only.</i>
GEDGE. 6th December 1864.	3034. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A belt and improved sanatory apparatus for female use."— <i>A communication to him from abroad by Louise Thevenot, 15, Passage des Petites Ecuries, Paris, France.</i> <i>Letters Patent sealed.</i>
WATTS. 6th December 1864.	3035. WILLIAM THOMAS WATTS, of Birmingham, in the County of Warwick, Metal Dealer and Refiner, for an invention for—"Improvements in apparatus to be applied to furnaces for condensing and collecting products volatilized in the said furnaces." <i>Provisional protection only.</i>
DIXON. 6th December 1864.	3036. GEORGE DIXON, of the City of London, in the County of Middlesex, for an invention for—"Improvements in the manufacture of ruche for chenille and upholsterers' trimmings." <i>Letters Patent sealed.</i>
STEPHENSON. 6th December 1864.	3037. JOHN STEPHENSON, of Mary-le-bone, in the County of Middlesex, for an invention for—"Improvements in umbrellas, parasols and sunshades." <i>Provisional protection only.</i>
ARCHER. 6th December 1864.	3038. THOMAS ARCHER, junior, of Dunston Engine Works, Gateshead-on-Tyne, in the County of Durham, Engineer, for an invention for—"An improved machine or apparatus for crushing or breaking stone, ores or other similar hard substances." <i>Letters Patent sealed.</i>
KEELING. 6th December 1864.	3039. JOHN KEELING, of Aldershot, in the County of Hampshire, for an invention for—"Improvements in apparatus for regulating the supply of gas." <i>Letters Patent sealed.</i>
ROBINSON. 6th December 1864.	3040. ARTHUR HENRY ROBINSON, of 2, De Grey Terrace, in the County of Dublin, Esquire, for an invention for—"A combined stretcher-bed, cushion and wrapper, for use in railway and other travelling carriages." <i>Provisional protection only.</i>
CLARK. 6th December 1864.	3041. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for the manufacture of boots and shoes."— <i>A communication to him from abroad by Charles Rhodes Goodwin, Manufacturer, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
BOUSFIELD. 6th December 1864.	3042. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of illuminating gas."— <i>A communication to him from abroad by William Elmer, M.D., a person resident at New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
BURGESS. 6th December 1864.	3043. WILLIAM JAMES BURGESS, of Brentwood, in the County of Essex, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
BOULTON. 6th December 1864.	3044. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, Esquire, for an invention for—"Improvements in obtaining motive-power from aëriiform fluids and from liquids." <i>Provisional protection only.</i>
HUGHES. 6th December 1864.	3045. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in treating aniline colours for dyeing and printing."— <i>A communication to him from abroad by August Samuel Leopold Leonhardt, of Berlin, Prussia.</i> <i>Letters Patent sealed.</i>
RICHARDSON. 6th December 1864.	3046. RICHARD RICHARDSON, of Lowdham, in the County of Nottingham, Miller, for an invention for—"Improvements in the manufacture of felt." <i>Letters Patent sealed.</i>

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| <p>NEWTON.
6th December 1864.</p> | <p>3047. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for blowing bubbles from soapsuds or other liquids, to amuse children, and for other purposes, such as perfuming the atmosphere of apartments."—<i>A communication to him from abroad by Joseph Antoine Emile Chazelles, of Brussels, in the Kingdom of Belgium.</i>
<i>Letters Patent sealed.</i></p> |
| <p>MARTIUS.
6th December 1864.</p> | <p>3048. CARL ALEXANDER MARTIUS, of Warrington, in the County of Lancaster, Chemist, for an invention for—"Improvements in the application of photography to the ceramic arts or to glass."—<i>A communication to him from abroad by Johann Baptist Obernetter, a foreigner residing at Munich.</i>
<i>Letters Patent sealed.</i></p> |
| <p>HALL.
7th December 1864.</p> | <p>3049. ALEXANDER DALLAS HALL, of Glasgow, in the County of Lanark, North Britain, Gentleman, for an invention for—"An improved compound for coating the bottoms of ships and structures wholly or partially immersed in the sea or tidal estuaries, and in the system or mode of preparing the same." <i>Letters Patent sealed.</i></p> |
| <p>SURFLEN.
7th December 1864.</p> | <p>3050. ALBERT SURFLEN, of 4, South Crescent, Bedford Square, in the County of Middlesex, for an invention for—"An improved washing and scrubbing compound." <i>Provisional protection only.</i></p> |
| <p>ALBERT.
7th December 1864.</p> | <p>3051. ALFRED ALBERT, of Paris, in the Département of Seine, in the Empire of France, for an invention for—"A new or improved stamping apparatus." <i>Letters Patent sealed.</i></p> |
| <p>HUSBAND.
QUICK.
7th December 1864.</p> | <p>3052. WILLIAM HUSBAND, of Hayle, in the County of Cornwall, and JOSEPH QUICK, junior, of Sumner Street, Southwark, in the County of Surrey, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i></p> |
| <p>ROBERTS.
7th December 1864.</p> | <p>3053. MARTYN JOHN ROBERTS, of Pendarren, near Crickhowell, in the County of Brecknock, Esquire, for an invention for—"Improvements in means or apparatus for preparing, spinning, doubling and winding wool, cotton and other fibrous substances." <i>Letters Patent sealed.</i></p> |
| <p>SMITH.
7th December 1864.</p> | <p>3054. ANDREW SMITH, of Mauchline, in the County of Ayr, North Britain, for an invention for—"Decorating japanned ware and articles of furniture, with paper or other material, printed or ornamented in various colours." <i>Provisional protection only.</i></p> |
| <p>LIVESEY.
EDWARDS.
8th December 1864.</p> | <p>3055. JAMES LIVESEY, of 75, Cannon Street West, and JOHN EDWARDS, of 29, Basinghall Street, in the City of London, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i></p> |
| <p>WILSON.
8th December 1864.</p> | <p>3056. HENRY WILSON, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in apparatus for injecting tallow or other lubricant into steam-boilers, cylinders and steam-tight vessels, likewise for regulating the flow thereof." <i>Letters Patent sealed.</i></p> |
| <p>OLIVER.
8th December 1864.</p> | <p>3057. CHARLES OLIVER, of No. 15, Old Boswell Court, in the County of Middlesex, Machinist, for an invention for—"Improvements in apparatus for sounding bells on lighthouses, alarm bells on public and private buildings, and for bells in chapels and places of worship." <i>Letters Patent sealed.</i></p> |
| <p>NORTON.
8th December 1864.</p> | <p>3058. JOHN NORTON, of Bray, in the County of Wicklow, Ireland, Esquire, for an invention for—"Improvements in the construction of bows used by archers." <i>Letters Patent sealed.</i></p> |
| <p>MYERS.
8th December 1864.</p> | <p>3059. EDWARD MYERS, of Millbank Row, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in wet gas meters." <i>Letters Patent sealed.</i></p> |
| <p>CROCKFORD.
8th December 1864.</p> | <p>3060. CHARLES CROCKFORD, of Holywell, Flintshire, Spelter Manufacturer, for an invention for—"Improvements in traction on railways, more especially adapted to steep gradients." <i>Letters Patent sealed.</i></p> |
| <p>NEWTON.
8th December 1864.</p> | <p>3061. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for cutting soap into bars."—<i>A communication to him from abroad by Ross Johnson, of Urbana, in the State of Maryland, United States of America.</i>
<i>Letters Patent sealed.</i></p> |

BROOMAN. 8th December 1864.	3062. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for cooling and freezing."— <i>A communication to him from abroad by Marcar Beylik'g, of Constantinople, Turkey.</i> <i>Letters Patent sealed.</i>
PARTRIDGE. 8th December 1864.	3063. EBENEZER PARTRIDGE, of Smethwick, in the County of Stafford, Engineer, for an invention for—"Improvements in carriage axles and boxes, and an improved tool to be used in the manufacture of carriage axles, and for forming grooves or recesses in parts of machinery." <i>Provisional protection only.</i>
JOHNSON. 9th December 1864.	3064. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for facilitating the starting of railway and other carriages and waggons."— <i>A communication to him from abroad by Reuben Trumbull Monroe Wells, of Stanbridge, Canada East, Doctor of Medicine.</i> <i>Provisional protection only.</i>
TONGUE. 9th December 1864.	3065. WILLIAM TONGUE, of Wakefield, in the County of York, Engineer, for an invention for—"Improvements in machinery for combing fibrous materials." <i>Letters Patent sealed.</i>
ROBERTS. 9th December 1864.	3066. THOMAS HUMPHREY ROBERTS, of No. 17, Bedford Street, Plymouth, for an invention for—"Improvements in apparatus for retarding and stopping carriages." <i>Letters Patent sealed.</i>
HOLLY. 10th December 1864.	3067. JOHN HOLLY, of Regent Street North, Blackwall, in the County of Middlesex, for an invention for—"Improved mechanical arrangements or appliances for enabling the guard of a railway train to keep all the carriage doors closed until the train is brought to a stand still, and then disengage them all at once." <i>Provisional protection only.</i>
TRUSS. 10th December 1864.	3068. SIDNEY TRUSS, of Hough Green, City of Chester, in the County of Cheshire, Civil Engineer, for an invention for—"Improvements in the construction of rails for the permanent way of railways and tramways." <i>Provisional protection only.</i>
SEDLEY. 10th December 1864.	3069. ANGELO JAMES SEDLEY, of 38, Conduit Street, in the County of Middlesex, for an invention for—"Improvements in the construction of bridges." <i>Letters Patent sealed.</i>
MORGENTHAU. 10th December 1864.	3070. LAZARUS MORGENTHAU, of Basinghall Street, in the City of London, and of Mannheim, in the Grand Duchy of Baden, Manufacturer, for an invention for—"Improvements in preparing tobacco for the manufacture of cigars, snuff and other purposes." <i>Letters Patent sealed.</i>
VAUGHAN. 10th December 1864.	3071. JOHN VAUGHAN, of the Middlesbro' and Cleveland Iron Works, in the County of York, for an invention for—"Improvements in heating the blast for furnaces in the manufacture of iron." <i>Letters Patent sealed.</i>
ROOPER. 12th December 1864.	3072. GEORGE ROOPER, of 26, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in cross cut and other saws."— <i>A communication to him from abroad by Robert William Standly, of Grafton Haldimand, N.D., Canada West.</i> <i>Letters Patent sealed; no specification filed.</i>
RAMSBOTTOM. 12th December 1864.	3073. JOHN RAMSBOTTOM, of Crewe, in the County of Chester, Engineer, for an invention for—"Improvements in the manufacture of steel and iron, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
WOOD. 12th December 1864.	3074. THOMAS WOOD, of Liverpool, in the County of Lancaster, Fur Manufacturer, for an invention for—"Improvements in means or apparatus for communicating and signalling on railway trains, and for securing the doors of the carriages." <i>Provisional protection only.</i>
BROOKE. 12th December 1864.	3075. EDWARD BROOKE, the younger, of the Field House Fire Clay Works, Huddersfield, in the County of York, Manufacturer of Fire Bricks, Gas Retorts, Glass House Pots, Crucibles, Chimney Pots, and Sanitary Pipes, for an invention for—"An improvement in the manufacture of glass house pots." <i>Letters Patent sealed.</i>

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| <p>BROOMAN.
12th December 1864.</p> <p>MONCRIEFF.
12th December 1864.</p> <p>MATHERS.
12th December 1864.</p> <p>BAKER.
12th December 1864.</p> <p>MULHOLLAND.
13th December 1864.</p> <p>ADAMS.
13th December 1864.</p> <p>JOHNSON.
13th December 1864.</p> <p>KENDALL.
13th December 1864.</p> <p>BROOMAN.
13th December 1864.</p> <p>BRITTLEBANK.
13th December 1864.</p> <p>CULLINGFORD.
13th December 1864.</p> <p>PEMBERTON.
FORD.
13th December 1864.</p> <p>NEWTON.
13th December 1864.</p> <p>ELLIOTT.
13th December 1864.</p> <p>OTWAY.
14th December 1864.</p> | <p>3076. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new method of ornamenting fabrics."—<i>A communication to him from abroad by François Vouillon, of Louviers, France.</i>
<i>Provisional protection only.</i></p> <p>3077. ALEXANDER MONCRIEFF, of Edinburgh, in the County of Midlothian, North Britain, Captain in the Edinburgh Militia Artillery, for an invention for—"Improvements in mounting ordnance, and in the machinery, apparatus or means connected therewith."
<i>Provisional protection only.</i></p> <p>3078. ROBERT MATHERS, of Boundary Terrace, Burley Road, Leeds, in the County of York, for an invention for—"Improvements in sawing-machinery."
<i>Letters Patent sealed.</i></p> <p>3079. ALBERT BAKER, of Walpole Street, New Cross, in the County of Surrey, formerly a Master Mariner, for an invention for—"Improvements in apparatus for ascertaining the depth of water and the speed of ships or vessels."
<i>Provisional protection only.</i></p> <p>3080. FREDERICK GEORGE MULHOLLAND, of No. 36, Essex Street, Strand, in the City of Westminster, and County of Middlesex, Civil Engineer, for an invention for—"Improvements in purifying rosin or other substances of a similar kind and character."
<i>Letters Patent sealed.</i></p> <p>3081. WILLIAM BRIDGES ADAMS, of Holly Mount, Hampstead, in the County of Middlesex, Engineer, for an invention for—"Improvements in railways and tramways."
<i>Letters Patent sealed.</i></p> <p>3082. RICHARD HELSBY JOHNSON, of Eccleston, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in the construction of glass makers' 'pots,' and in the application of heat to the materials or glass 'metal' contained therein."
<i>Letters Patent sealed.</i></p> <p>3083. CHARLES KENDALL, of 29, High Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in atmospheric railway breaks and communications."
<i>Letters Patent sealed.</i></p> <p>3084. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in or a new or improved composition for preserving and ornamenting stone, wood and other substances."—<i>A communication to him from abroad by Ferdinand Miller, of Nancy, France.</i>
<i>Provisional protection only.</i></p> <p>3085. ARTHUR BRITTLEBANK, of No. 3, Bozier's Court, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in apparatus used when brushing the human hair."
<i>Provisional protection only.</i></p> <p>3086. WILLIAM HENRY CULLINGFORD, of Phillimore Gardens, Kensington, in the County of Middlesex, Builder, for an invention for—"Improvements in thermometers."
<i>Provisional protection only.</i></p> <p>3087. ALFRED PEMBERTON, of Eccles, in the County of Lancaster, Agent, and JOHN FORD, of Ordsall Lane, Salford, in the said County, Manager, for an invention for—"Improvements in apparatus for effecting the drag in throstle spinning and doubling."
<i>Letters Patent sealed.</i></p> <p>3088. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Certain improvements in solar time-pieces."—<i>A communication to him from abroad by Theodore Ruggles Timby, of Saratoga Springs, in the State of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>3089. GEORGE ELLIOTT, Manager to Messieurs Fowler and McCollin, of the Vulcan Iron Works, Hull, in the County of York, for an invention for—"Improved means of and apparatus for working capstans on shipboard and elsewhere."
<i>Provisional protection only.</i></p> <p>3090. EDMUND WINDER OTWAY, of Reading, in the County of Berks, Engineer, for an invention for—"Improvements in roller gins for ginning or cleaning cotton."
<i>Letters Patent sealed and specification filed by order.</i></p> |
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- BARNSLEY.**
14th December 1864. **3091.** JOSEPH BARNSLEY, of Coombs Wood Tube Works, in the Parish of Hales Owen, in the County of Worcester, Metal Tube Manufacturer, for an invention for—"Improvements in the manufacture of solid and seamless metal tubes, gun barrels and artillery, and for machinery to be used in the same."
Letters Patent sealed; no specification filed.
- HANCOCK. SILVER.**
14th December 1864. **3092.** CHARLES HANCOCK, of West Street, Smithfield, in the City of London Manufacturer, and STEPHEN WILLIAM SILVER, of Bishopsgate Street, in the said City of London, Manufacturer, for an invention for—"Improvements in electric insulation."
Letters Patent sealed.
- HANCOCK. SILVER.**
14th December 1864. **3093.** CHARLES HANCOCK, of West Street, Smithfield, in the City of London, Manufacturer, and STEPHEN WILLIAM SILVER, of Bishopsgate Street, in the said City of London, Manufacturer, for an invention for—"Improvements in colour printing."
Letters Patent sealed.
- HANCOCK. SILVER.**
14th December 1864. **3094.** CHARLES HANCOCK, of West Street, Smithfield, in the City of London, Manufacturer, and STEPHEN WILLIAM SILVER, of Bishopsgate Street, in the said City of London, Manufacturer, for an invention for—"A new manufacture of sheets and surfaces for designs and ornamental purposes."
Letters Patent sealed.
- THOMPSON.**
14th December 1864. **3095.** JACOB BAYNES THOMPSON, of Rothwell Street, Regent's Park Road, in the County of Middlesex, for an invention for—"Improvements in coating iron and steel with silver, gold, platinum or palladium, and in ornamenting articles with such metals."
Letters Patent sealed.
- TAYLOR.**
14th December 1864. **3096.** HERBERT TAYLOR, of Mark Lane, in the City of London, Merchant, for an invention for—"Improvements in the manufacture of ruffles, frills and gathered fabrics, and in the machinery or apparatus employed therein."—*A communication to him from abroad by Henry John Baker, of the City of New York, in the United States of America, Merchant.*
Letters Patent sealed.
- CROWLEY.**
14th December 1864. **3097.** JOSEPH CROWLEY, of West Bromwich, in the County of Stafford, Moulder, for an invention for—"Improvements in moulds for casting hollow ware and other articles."
Provisional protection only.
- WHARLDALL.**
14th December 1864. **3098.** WILLIAM WHARLDALL, of Pontefract, in the County of York, for an invention for—"Improved machinery or apparatus for the manufacture of liquorice cakes, applicable also to the manufacture of other cakes or lozenges made of plastic materials."
Provisional protection only.
- BELDING. HOLMAN.**
14th December 1864. **3099.** GEORGE WASHINGTON BELDING, of No. 97, Cheapside, in the City of London, Merchant, and DAVID EMORY HOLMAN, of No. 72, Sloane Street, Chelsea, Middlesex, for an invention for—"Improvements in machinery designed for shaping and pressing straw hats, bonnets and other articles."—*A communication to them from abroad by John Rogers, of Mansfield, Massachusetts, United States of America.*
Complete specification; Letters Patent sealed.
- TONGUE.**
14th December 1864. **3100.** JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the construction of watches or other similar time-keepers."—*A communication to him from abroad by Charles Lehmann, Watch Manufacturer, of Paris, in the Empire of France.*
Letters Patent sealed.
- LUNDE.**
14th December 1864. **3101.** PETER FREDERICK LUNDE, of Jewry Street, Aldgate, in the City of London, Engineer, for an invention for—"Improved apparatus for obtaining extracts from vegetable substances."
Letters Patent sealed.
- PRICE.**
14th December 1864. **3102.** ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in obtaining carbonic acid gas."
Provisional protection only.
- COLES.**
14th December 1864. **3103.** COWPER PHIPPS COLES, of Ventnor, in the Isle of Wight, Captain in the Royal Navy, for an invention for—"Improvements in apparatus for working and loading ordnance."
Letters Patent sealed.
- HOOD.**
14th December 1864. **3104.** SAMUEL HOOD, of the firm of Hood and Son, of King William Street, in the City of London, Iron Merchants, for an invention for—"An improved method of securing coal plates, applicable to the securing of glazed area gratings, trap doors and other similar covers."
Letters Patent sealed.

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| LEEMING.
LEEMING.
LISTER.
14th December 1864. | 3105. JAMES LEEMING, and JOHN LEEMING, Machine Makers, and JOHN LISTER, Mechanic, all of Bradford, in the County of York, for an invention for—"Improvements in the jacquard machine."
<i>Letters Patent sealed.</i> |
| KENT.
14th December 1864. | 3106. GEORGE KENT, of High Holborn, in the County of Middlesex, for an invention for—"Improvements in apparatus for cleaning and polishing knives."
<i>Provisional protection only.</i> |
| CLAUDET.
14th December 1864. | 3107. ANTOINE FRANÇOIS JEAN CLAUDET, of Gloucester Road, Regent's Park, in the County of Middlesex, Photographer, for an invention for—"Improvements in photo-sculpture."
<i>Letters Patent sealed.</i> |
| POLS.
15th December 1864. | 3108. JOHN ANTHONY POLS, of Nye's Wharf, Surrey Canal, Old Kent Road, in the County of Surrey, Oil Refiner, for an invention for—"Improvements in obtaining purified or refined oils, and in obtaining oil cakes for cattle food, and foots useful for soap making."
<i>Letters Patent sealed.</i> |
| CROUCHER.
15th December 1864. | 3109. ALEXANDER RICHARD CROUCHER, of No. 50, Wellclose Square, St. George's in the East, M.D., for an invention for—"Improvements in apparatus for facilitating communication between passengers and guards travelling on railways."
<i>Provisional protection only.</i> |
| HANCOCK.
SILVER.
15th December 1864. | 3110. CHARLES HANCOCK, of West Street, Smithfield, in the City of London, Manufacturer, and STEPHEN WILLIAM SILVER, of Bishopsgate Street, in the said City of London, Manufacturer, for an invention for—"A new manufacture of certain flexible elastic waterproof sheets, surfaces, compounds and substances, and the application thereof to various purposes."
<i>Letters Patent sealed.</i> |
| DE FONTAINE-MOREAU.
15th December 1864. | 3111. PETER ARMAND LE COMTE DE FONTAINEMOREAU, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Patent Agent, for an invention for—"Certain improvements in the manufacture of gun barrels."— <i>A communication from Maurice Mondon, a person resident at Feugerolles, in the Empire of France.</i>
<i>Letters Patent sealed.</i> |
| PETTIT.
15th December 1864. | 3112. STEPHEN PETTIT, of Burgate, in the City of Canterbury, Draper, for an invention for—"Improvements in engines or apparatus for obtaining motive-power."
<i>Provisional protection only.</i> |
| CLARK.
15th December 1864. | 3113. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the decoration of walls, pavements and other surfaces, in cement, concrete and other substances."— <i>A communication to him from abroad by Eugène Mathieu de Bonnay, Gentleman, of 29, Boulevard St. Martin, Paris.</i>
<i>Provisional protection only.</i> |
| GEDGE.
16th December 1864. | 3114. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in steam-engines."— <i>A communication to him from abroad by Arthur de Montméja, of 39, Faubourg St. Martin, Paris, France.</i>
<i>Letters Patent sealed.</i> |
| BARDWELL.
16th December 1864. | 3115. WILLIAM BARDWELL, Civil Engineer, of No. 4, Great Queen Street, Westminster, for an invention for—"An improved method of utilizing sewage and urine, and for facilitating their passage through pipes, thereby preventing the pollution of rivers and streams."
<i>Letters Patent sealed.</i> |
| ELLIS.
16th December 1864. | 3116. JOHN ELLIS, of North Ormesby, near Middlesbrough-on-Tees, in the County of York, Refiner of Iron, for an invention for—"Improvements in furnaces used in the manufacture and the heating and melting of iron, which improvements are also applicable to other furnaces."
<i>Letters Patent sealed.</i> |
| HOOPER.
16th December 1864. | 3117. STEPHEN WASTEL HOOPER, of 45, Fleet Street, in the City of London, Law Stationer, for an invention for—"Improvements in the preparation of the surface or surfaces of parchment."
<i>Provisional protection only.</i> |
| BROOMAN.
16th December 1864. | 3118. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for decorticating or for separating the kernel from the shell of cotton seeds."— <i>A communication to him from abroad by Edmond Paul Henri Gondouin, of Paris, France.</i>
<i>Letters Patent sealed.</i> |

CHEVALLIER. 16th December 1864.	3119. FRANCOIS AUGUSTE CHEVALLIER, Physician, of 2, Rue Sainte Appoline, Paris, Empire of France, for an invention for—"Improvements in panoramic apparatus." <i>Letters Patent sealed.</i>
BROWN. 16th December 1864.	3120. GEORGE BROWN, of Poole, in the County of Dorset, Mechanic, for an invention for—"An improvement in the construction of cylinders used in the manufacture of articles of pottery, such as pipes, tiles, hollow bricks and the like." <i>Letters Patent sealed; no specification filed.</i>
WHITE. 16th December 1864.	3121. JAMES WHITE, of No. 45, High East Street, Dorchester, for an invention for—"Improvements in closets and commodes." <i>Letters Patent sealed.</i>
MCNAUGHT. 16th December 1864.	3122. WILLIAM MCNAUGHT, of Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for washing and drying wool and other fibrous materials." <i>Letters Patent sealed.</i>
COTTON. 16th December 1864.	3123. WILLIAM COTTON, of Loughborough, in the County of Leicester, Manufacturer, for an invention for—"Improvements in machinery or apparatus for the manufacture of looped fabrics." <i>Letters Patent sealed.</i>
ROBINSON. 16th December 1864.	3124. ARTHUR HENRY ROBINSON, of No. 2, De Gray Terrace, in the County of Dublin, Esquire, for an invention for—"An improved portable bedstead." <i>Provisional protection only.</i>
HAINES. 16th December 1864.	3125. MICHAEL JOHN HAINES, of Victoria Road Rope Walk, Bristol, for an invention for—"Improvements in the construction of straps or bands employed for driving machinery." <i>Letters Patent sealed.</i>
NORTON. AINSWORTH. 16th December 1864.	3126. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, and WILLIAM AINSWORTH, of Stockport, in the County of Chester, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
TONGUE. 17th December 1864.	3127. JOHN GARRETT TONGUE, of the firm of Tongue & Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in pneumatic apparatus for raising and drawing off liquids and gases."— <i>A communication to him from abroad by Luis Meslin, Sworn Agent and Translator, of 276, Rue St. Honoré, Paris, in the Empire of France, and Celestin Rahon, Brewer, of Douzy, Ardennes, in the Empire of France.</i> <i>Provisional protection only.</i>
SALMON. 17th December 1864.	3128. PETER SALMON, of Wynyard Street, Goswell Road, in the County of Middlesex, for an invention for—"Improvements in the rolling stock of railways, and traction engines and carriages for common roads." <i>Provisional protection NOT granted.</i>
COOKE. 17th December 1864.	3129. FREDERICK COOKE, of Denton, in the County of Lancaster, Hat Manufacturer, for an invention for—"Certain improvements in machinery or apparatus to be employed in the manufacture of hats or similar coverings for the head." <i>Provisional protection only.</i>
DOBSON. SLATER. HALLIWELL. 17th December 1864.	3130. BENJAMIN DOBSON, of Bolton, in the County of Lancaster, Machine Maker, WILLIAM SLATER, of the same place, Manager, and ROBERT HALLIWELL, of the same place, Foreman, for an invention for—"Improvements in self-acting mules for spinning and doubling." <i>Letters Patent sealed.</i>
COCHRANE. 17th December 1864.	3131. ARTHUR AUCKLAND LEOPOLD PEDRO COCHRANE, of Portsmouth, in the County of Hampshire, Captain in the Royal Navy, for an invention for—"Improvements in apparatus for heating and evaporating liquids and fluids." <i>Provisional protection only.</i>
RENTON. 17th December 1864.	3132. AMHERST HAWKER RENTON, of 5, Whitehall, in the City of Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fire-arms." <i>Provisional protection only.</i>
BROOKES. 17th December 1864.	3133. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in steam-blowers."— <i>A communication to him from abroad by John Theobald Hancock, of Boston, in the County of Suffolk, and State of Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>

- BROOMAN.**
17th December 1864. **3134.** RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved liquid meter."—*A communication to him from abroad by Jean Antoine Clement, of Paris, France.*
Letters Patent sealed.
- PRICE.**
17th December 1864. **3135.** FREDERICK PRICE, of Gresford, in the County of Denbigh, Miller, for an invention for—"Improvements applicable to mills for grinding corn and other substances."
Provisional protection only.
- HALL.**
17th December 1864. **3136.** HIRAM LYMAN HALL, Manager of the London India-rubber Company's Works, West Ham, in the County of Essex, for an invention for—"Improvements in the manufacture of elastic fabrics."
Letters Patent sealed.
- EASTMAN.**
17th December 1864. **3137.** ZEBINA EASTMAN, of the United States of America, but at present residing at Bristol, in the County of Gloucester, Gentleman, for an invention for—"Improvements in rails or trams for street and other roads or ways, in wheels to run thereon, and in the working parts of carriages or waggons to be used therewith."
Letters Patent sealed.
- HOWES.**
BURLEY.
17th December 1864. **3138.** WALTER HOWES, of Birmingham, in the County of Warwick, Lamp Manufacturer, and WILLIAM BURLEY, of Birmingham aforesaid, Lamp Manufacturer, for an invention for—"Improvements in lamps for railway and other carriages, and in connecting lamps to carriages, a part of which improvements may also be applied to handles for carriages."
Provisional protection only.
- DAVEY.**
17th December 1864. **3139.** HENRY DAVEY, of Gunnislake, in the County of Cornwall, Engineer, for an invention for—"Improvements in steam-engines."
Provisional protection only.
- TURNER.**
COUGHIN.
17th December 1864. **3140.** WILLIAM ALLEN TURNER, of Clarges Street, Piccadilly, in the County of Middlesex, and THOMAS TOWNSEND COUGHIN, of Crucifix Lane, Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improvements in the means of and apparatus for obtaining motive-power, and for the distribution and application thereof."
Provisional protection only.
- HOPKINS.**
CULPIN.
19th December 1864. **3141.** JOHN ARTHUR HOPKINS, of St. Ives, in the County of Huntingdon, Farmer and Auctioneer, and CHARLES CULPIN, of the same place, Agricultural Implement Maker, for an invention for—"Improvements in ploughs and apparatus for tilling the soil."
Provisional protection only.
- TATE.**
19th December 1864. **3142.** WILLIAM TATE, of Horsley Hill, near South Shields, in the County of Durham, Ship Owner, for an invention for—"Improvements in armour, and in making and applying the same for protecting wood and iron ships of war and batteries."
Letters Patent sealed.
- BONNIER.**
19th December 1864. **3143.** EUGÈNE CONSTANT MARIE BONNIER, Merchant, No. 9, Rue de la Pepinière, Paris, France, for an invention for—"An atmospheric machine or the perpetual motion by atmospherical pressure."
Provisional protection only.
- SWINARSKI.**
19th December 1864. **3144.** ERNEST SWINARSKI, of Kreuzzewo, in the Grand Duchy of Posen, Prussia, but temporarily residing at Hanover Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech-loading fire-arms."
Provisional protection only.
- ORFORD.**
19th December 1864. **3145.** CHARLES WYATT ORFORD, of New Street, Birmingham, in the County of Warwick, Architect and Engineer, for an invention for—"A new or improved apparatus for measuring water and other fluids."
Letters Patent sealed.
- GRAY.**
19th December 1864. **3146.** SIR JOHN GRAY, Knight, of Charleville House, in the County of Dublin, in Ireland, for an invention for—"Improved taps or cocks for regulating the flow of water into, through or from cisterns, pipes and other receptacles or conduits."
Letters Patent sealed.
- McKILLOP.**
19th December 1864. **3147.** HENRY FREDERICK McKILLOP, of Belvedere, in the County of Kent, Captain in the Royal Navy, for an invention for—"Improvements in compositions for coating or covering ships."
Letters Patent sealed.
- BROOMAN.**
19th December 1864. **3148.** RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in furnaces."—*A communication to him from abroad by Felix Alexandre Testud de Beauregard, of Paris, France.*
Provisional protection only.

BLACKWOOD. 19th December 1864.	3149. SIR FRANCIS BLACKWOOD, Baronet, of H.M. Royal Navy, of Southsea, in the County of Hants, for an invention for—"A new or improved apparatus for elevating or lifting shot or shell to the fighting deck of vessels, or in batteries of war." <i>Provisional protection only.</i>
BUTCHART. STROUD. MORRISON. 19th December 1864.	3150. JOHN BUTCHART, HENRY STROUD, and SAMUEL ALLEN MORRISON, all of North Shields, in the County of Northumberland, for an invention for—"Improvements in reefing and stowing jib sails from the deck." <i>Letters Patent sealed.</i>
HUGHES. 19th December 1864.	3151. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in machinery or apparatus for making laces, braids, cordings and edgings."— <i>A communication to him from abroad by Jean Cheynet, of Lyons, in the Empire of France.</i> <i>Letters Patent sealed.</i>
KING. SMITH. HOWELL. 19th December 1864.	3152. HENRY JAMES HOGG KING, of Cains Cross, Stroud, in the County of Gloucester, HUBERT ELLIS SMITH, of Upton Bishop, in the County of Hereford, Engineers, and JOSEPH BENNETT HOWELL, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the slide valves of steam-engines, and in apparatus connected with or operating the slide valves of steam-engines." <i>Letters Patent sealed.</i>
MILLAR. 20th December 1864.	3153. DAVID MILLAR, of Greenock, in the County of Renfrew, North Britain, Forge Manager, for an invention for—"Improvements in apparatus for moving heavy bodies." <i>Provisional protection only.</i>
GEDGE. 20th December 1864.	3154. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved box for preserving velvets, ribands and similar articles."— <i>A communication to him from abroad by Julien Le Priol, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
DRUNEAU. LAIDET. 20th December 1864.	3155. HENRI DRUNEAU, Tinsmith, and PIERRE LAIDET, senior, both of Nantes, in the Department of the Loire Inférieure, in the Empire of France, for an invention for—"An improved double suction pump suitable for pumping bilge water out of ships." <i>Letters Patent sealed.</i>
PETTEE. 20th December 1864.	3156. SIMONI ERASTUS PETTEE, of 62, Saint Mary's Terrace, Paddington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in means or apparatus for signalling between passengers and guards or others in charge of railway trains." <i>Provisional protection only.</i>
CAMERON. BOWMAN. 20th December 1864.	3157. PETER CAMERON, of Paisley, in the County of Renfrew, North Britain, and THOMAS BOWMAN, of Glasgow, in the County of Lanark, North Britain, Manufacturers, for an invention for—"Improvements in textile fabrics and in the machinery or apparatus employed for producing the same." <i>Provisional protection only.</i>
LEACH. 20th December 1864.	3158. GEORGE LEACH, of Leeds, in the County of York, Manufacturer, for an invention for—"An improved fastening for books, pocket-books, portfolios, satchels, bags, writing-cases and other analogous articles." <i>Letters Patent sealed.</i>
GRIMSTON. 20th December 1864.	3159. THOMAS AUGUSTIN GRIMSTON, of Clifford, in the County of York, Flax Spinner, for an invention for—"An improved apparatus to be used with breech-loading fire-arms, so as to render them available for use as breech-loaders or muzzle-loaders as may be found convenient." <i>Letters Patent sealed.</i>
BIRD. 20th December 1864.	3160. HENRY BIRD, of Number 1, Berkeley Street, Cheltenham, in the County of Gloucester, Physician and Surgeon, of the Royal Colleges of London, for an invention for—"Improvements in treating sewage matters." <i>Letters Patent sealed.</i>
D'ELŪZA. 20th December 1864.	3161. STEPHEN PIERRE ANDRÉ DE BROCALDE D'ELŪZA, of Leicester Square, in the County of Middlesex, for an invention for—"A new or improved manufacture of artificial manure." <i>Provisional protection only.</i>
MAYNES. 20th December 1864.	3162. WILLIAM MAYNES, of Levenshulme, near Manchester, in the County of Lancaster, Agent, for an invention for—"An improved picker band used in looms for weaving." <i>Provisional protection only.</i>

PUIG Y
LLAGOSTERA.
20th December 1864.

3163. JOSÉ PUIG Y LLAGOSTERA, of No. 10, Strand, in the City of Westminster, Engineer, for an invention for—"Improvements in machinery for spinning cotton and other fibrous materials."—*A communication to him from abroad by Juan Esteve y Vild and Gil Esteve y Vild, both of Barcelona, in the Kingdom of Spain.*

Letters Patent sealed.

DE BRIOU.
21st December 1864.

3164. HENRY ALFRED DE BRIOU, junr., Clerk, of No. 35, Welbeck Street, Cavendish Square, in the County of Middlesex, for an invention for—"An improved varnish for protecting and preserving metals, such as polished steel, silver plate, silver plated and electro-plated articles, from oxydation, corrosion, and from the effects of damp or the action of sulphuretted hydrogen, and improved liquids for cleaning and brightening said articles."

Letters Patent sealed.

WOODWARD.
21st December 1864.

3165. THOMAS WOODWARD, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms."

Provisional protection only.

WESTWOOD.
21st December 1864.

3166. JOSEPH WESTWOOD, junior, of Tredegar House, Bow, in the County of Middlesex, for an invention for—"Improvements in iron bridges."

Letters Patent sealed.

BRYANT.
MIDDLETON.
21st December 1864.

3167. CHARLES EDWARD BRYANT, and SAMUEL MIDDLETON, of 51, Greek Street, Soho, in the County of Middlesex, for an invention for—"A new or improved mechanical apparatus for brushing the hair."

Letters Patent sealed and specification filed by order.

HILL.
21st December 1864.

3168. CHARLES GREY HILL, of Commerce Square, High Pavement, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of bonnet and cap fronts, rouches and millinery or other trimmings, and in the manufacture and production of the same."

Letters Patent sealed.

HENRY.
21st December 1864.

3169. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in governors."—*A communication to him from abroad by Léon Foucault, of 33, Boulevard Saint Martin, Paris, France.*

Letters Patent sealed.

TOLHAUSEN.
21st December 1864.

3170. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, Patent Agent, for an invention for—"A new and improved method of aggregating coal-dust."—*A communication to him from Charles Noble, of New York, United States of America, Merchant.*

Letters Patent sealed.

RAMSBOTTOM.
BLACKBURN.
21st December 1864.

3171. JOHN RAMSBOTTOM, and THOMAS BLACKBURN, both of Blackburn, in the County of Lancaster, Hydraulic Engineers, for an invention for—"Improvements in the construction of hydraulic and other engines for obtaining motive-power, and for compressing and measuring fluids."

Letters Patent sealed.

COWLES.
WARREN.
21st December 1864.

3172. JOHN WILLIAM COWLES, Brewer, of King's Holm, in the County of Gloucester, and WILLIAM WARREN, of Cheltenham, in the same County, for an invention for—"Improved apparatus for facilitating communication by signals between different parts of a railway train, parts of which apparatus are also applicable to other purposes."

Provisional protection only.

BODMER.
21st December 1864.

3173. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Engineer and Patent Agent, for an invention for—"Improvements in the mode of working hydraulic presses, cranes, lifts, and other machinery and apparatus actuated by water pressure, and in machinery and apparatus connected therewith."—*A communication to him from abroad by Charles Brown, of Winterthur, in the Republic of Switzerland, Engineer.*

Provisional protection only.

REID.
21st December 1864.

3174. WILLIAM REID, of Granton, in the County of Mid-Lothian, North Britain, for an invention for—"Improvements in the arrangement and construction of wagons or vehicles for the conveyance of cattle upon railways."

Letters Patent sealed.

JOHNSON.
21st December 1864.

3175. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in photographic apparatus."—*A communication to him from abroad by Gabriel Jules Bourdin, of Paris, in the Empire of France.*

Letters Patent sealed.

HARGREAVES.
21st December 1864.

3176. JAMES HARGREAVES, of Ashton under Lyne, in the County of Lancaster, Manager, for an invention for—"Improvements in looms for weaving."

Letters Patent sealed.

WILSON. 22nd December 1864.	3177. ROBERT WILSON, of the City of Manchester, in the County of Lancaster, Ironmonger, for an invention for—"Improvements applicable to call and other bells."— <i>Partly communicated to him from abroad by Nathaniel Levy Bradley, Walter Hubbard and William Levy Bradley, all of West Meriden, Connecticut, in the United States of America, and partly the result of his own invention.</i> <i>Letters Patent sealed.</i>
EDMONDS. 22nd December 1864.	3178. HENRY EDMONDS, residing at Peel Lodge, Stoke Road, Gosport, County of Southampton, for an invention for—"Improvements in the construction of lamp feeders, and other vessels from which fluid is poured out through tubular spouts." <i>Letters Patent sealed.</i>
FOTHERGILL. FOTHERGILL. 22nd December 1864.	3179. JOHN FOTHERGILL, and JOHN HENRY FOTHERGILL, both of the City Road, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus employed in the propulsion of vessels." <i>Letters Patent sealed.</i>
ARAM. 22nd December 1864.	3180. JONATHAN GRUNDY ARAM, of Bradford, in the County of York, Wheelwright, for an invention for—"An improved mode of lighting household and other fires." <i>Letters Patent sealed.</i>
WILSON. 22nd December 1864.	3181. CHARLES GEORGE WILSON, of No. 60, Gracechurch Street, in the City of London, Civil Engineer, for an invention for—"Improvements in machinery for pressing cotton or other elastic substances." <i>Letters Patent sealed.</i>
BYRNE. 22nd December 1864.	3182. JAMES BYRNE, of Dublin, in the County of Dublin, in Ireland, for an invention for—"Improvements in governors." <i>Letters Patent sealed.</i>
ALISON. 22nd December 1864.	3183. ALEXANDER ALISON, of Queen Street Place, in the City of London, Gentleman, for an invention for—"A new species of currency by which a commercial crisis arising from the want of gold may be at all times prevented." <i>Provisional protection NOT granted.</i>
HOWARD. DAUGLISH. 22nd December 1864.	3184. ROBERT LUKE HOWARD, of No. 85, Upper White Cross Street, in the County of Middlesex, Engineer, and JOHN DAUGLISH, of Reading, in the County of Berks, M.D., for an invention for—"Improvements in apparatus for making aerated bread." <i>Letters Patent sealed.</i>
GILLESPIE. 22nd December 1864.	3185. JAMES GILLESPIE, of Garnkirk, Lanarkshire, Manager, Garnkirk Fire Clay Company, for an invention for—"An improved construction and manufacture of retorts, crucibles, glass-house pots and other similar vessels, and in the means and apparatus employed therein." <i>Letters Patent sealed.</i>
EDGE. HIRD. 23rd December 1864.	3186. JAMES BROUGHTON EDGE, and ENOCH HIRD, both of Bolton, in the County of Lancaster, for an invention for—"An improved size or adhesive mixture to be used in the process of finishing cotton heald and other doubled yarns, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
HAWKINS. 23rd December 1864.	3187. THOMAS PINFOLD HAWKINS, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in fencing and other staples." <i>Provisional protection only.</i>
HASELTINE. 23rd December 1864.	3188. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for manufacturing metallic nuts."— <i>A communication to him from abroad by Richard James Dewhurst, of the City, County, and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
TACONET. 23rd December 1864.	3189. EMILE TACONET, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in looms by the addition of one or more reeds to the ordinary reed, to facilitate the division of the warp during the weaving." <i>Provisional protection only.</i>
GEDGE. 23rd December 1864.	3190. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means and apparatus by the use of which a stripe or border may be woven on napkins, table cloths and other fabrics, by the power loom."— <i>A communication to him from abroad by Eugène Gustave Laniel and Jacques Alphonse Laniel, Manufacturers, at Vimoutiers, in the Empire of France.</i> <i>Letters Patent sealed.</i>

PATERSON. 23rd December 1864.	3191. JAMES PATERSON, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in the treatment of jute and other fibrous substances, and in the machinery, apparatus or means connected therewith." <i>Letters Patent sealed.</i>
BETHELL. 23rd December 1864.	3192. JOHN BETHELL, of 38, King William Street, in the City of London, Gentleman, for an invention for—"Improvements in preserving wood." <i>Letters Patent sealed.</i>
WHEELER. 23rd December 1864.	3193. JOHN FRANCIS WHEELER, of Ryde, Isle of Wight, in the County of Hants, for an invention for—"A new or improved combined portable inkstand, pen and pencil holder." <i>Letters Patent sealed.</i>
FAGG. FAGG. 23rd December 1864.	3194. THOMAS FAGG, and JESSE FAGG, both of Panton Street, in the County of Middlesex, Boot Makers, for an invention for—"Improvements in the manufacture of boots and shoes." <i>Provisional protection only.</i>
BROOMAN. 23rd December 1864.	3195. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in coke ovens."— <i>A communication to him from abroad by Frederic Jean François Laumonier, of Angers, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 23rd December 1864.	3196. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in portable fire-arms and in cartridges."— <i>A communication to him from abroad by Charles Rochaz, of Paris, France.</i> <i>Provisional protection only.</i>
SAUNDERS. 23rd December 1864.	3197. EDWARD SAUNDERS, of No. 8, Bridge Street, Westminster, for an invention for—"Improvements in affixing armour plates to vessels and other structures, and in bolts, screws, spikes and rivets to be used for these and other purposes."— <i>A communication to him from abroad by Frederick Saunders, of Providence, in the United States of America, Civil Engineer.</i> <i>Letters Patent sealed.</i>
HAY. 23rd December 1864.	3198. THE HONORABLE JOHN HAY, commonly called Lord John Hay, of St. James' Place, Middlesex, a Post Captain in Her Majesty's Navy, for an invention for—"Improvements in autograph stamps and in apparatus connected therewith, parts of which apparatus may be employed for numbering." <i>Letters Patent sealed.</i>
MAITLAND. 24th December 1864.	3199. WILLIAM HENRY MAITLAND, of the City of London, Gentleman, for an invention for—"Improvements in the construction of cotton gins." <i>Letters Patent sealed.</i>
FIELDING. 24th December 1864.	3200. ENOCH FIELDING, of Wellington Road, Todmorden, in the County of York, Machinist, for an invention for—"Certain improvements in power looms and apparatus connected therewith." <i>Provisional protection only.</i>
BAMBER. 24th December 1864.	3201. CHARLES ROSS BAMBER, of the Island of Jersey, Commander in Her Majesty's Royal Navy, for an invention for—"Improved signalling or communicating apparatus for railway carriages." <i>Provisional protection only.</i>
LEAHY. 24th December 1864.	3202. EDMUND LEAHY, of Langford Road, Kentish Town, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction and fitting of railway wheels." <i>Letters Patent sealed.</i>
MARGULIES. LEATHER. 24th December 1864.	3203. BENEDICT MARGULIES, of Trieste, in the Empire of Austria, but now residing at St. Helen's, in the County of Lancaster, Chemist, and JOHN KNOWLES LEATHER, of the same place, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of chromates and bichromates." <i>Provisional protection only.</i>
ROWBERRY. 24th December 1864.	3204. JOHN ROWBERRY, of the City of Hereford, Plumber, Glazier and Painter, for an invention for—"An improved centrifugal drying machine." <i>Letters Patent sealed.</i>
NEWTON. 24th December 1864.	3205. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Certain improved means for stopping leaks in boiler tubes."— <i>A communication to him from abroad by Richard Lavery and Sinclair Stuart, of Boston, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>

ROBINSON. 24th December 1864.	3206. THOMAS ROBINSON, Plated Ware Manufacturer, of the firm of Robinson and Company, of Eyre Street Plate Works, Sheffield, in the County of York, for an invention for—"Improvements in teapots, coffee pots, claret, hot water and other jugs having metallic covers." <i>Provisional protection only.</i>
MOREWOOD. 24th December 1864.	3207. EDMUND MOREWOOD, of Cheam, in the County of Surrey, for an invention for—"Improvements in coating metals." <i>Letters Patent sealed.</i>
TAYLOR. 24th December 1864.	3208. CHARLES HENRY TAYLOR, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in machinery or apparatus for preventing accidents in mine shafts and for other like purposes." <i>Letters Patent sealed.</i>
CHEATLE. 24th December 1864.	3209. JAMES HILL CHEATLE, of Birmingham, in the County of Warwick, Brush Maker, for an invention for—"Improvements in rotary and other brushes." <i>Provisional protection only.</i>
WHITLEY. JOWETT. 24th December 1864.	3210. THOMAS WHITLEY, of Holme Lane, Tong, in the Parish of Birstal, in the County of York, Overlooker, and JONAS JOWETT, of Fitzgerald Street, Bradford, in the County of York, Agent, for an invention for—"Improvements in machinery used in combing wool and other fibrous materials." <i>Letters Patent sealed.</i>
ROBERTSON. 24th December 1864.	3211. JAMES PETER ROBERTSON, Companion of the Bath, and Colonel in Her Majesty's Army, for an invention for—"An improved connector applicable to bales used in cavalry stables and other purposes." <i>Letters Patent sealed.</i>
PARKINSON. 26th December 1864.	3212. JOHN PARKINSON, of Bury, in the County of Lancaster, Engineer, for an invention for—"Improvements in lamps for railway carriages." <i>Provisional protection only.</i>
WOLSTENHOLME. 26th December 1864.	3213. JOHN WOLSTENHOLME, of Ratcliffe, in the County of Lancaster, Plumber, Glazier and Gas Fitter, for an invention for—"An improved implement for cutting pipes and bars of metal." <i>Letters Patent sealed.</i>
HICKLIN. PARDOE. 27th December 1864.	3214. HENRY HICKLIN, of Wollaston, near Stourbridge, in the County of Worcester, Builder, and CHARLES PARDOE, of Brierley Hill, in the County of Stafford, Coke Manufacturer, for an invention for—"Improvements in the construction of coke ovens." <i>Letters Patent sealed.</i>
GEDGE. 27th December 1864.	3215. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus for administering douches and injections with continuous and continual jet."— <i>A communication to him from abroad by Julien Salamon, of 39, Faubourg Saint Martin, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
ALTON. 27th December 1864.	3216. GEORGE ALTON, of the Town and County of Derby, Boiler Maker, for an invention for—"New or improved machinery for flanging plates and strips of metal." <i>Letters Patent sealed.</i>
ALTON. 27th December 1864.	3217. GEORGE ALTON, of the Town and County of Derby, Boiler Maker, for an invention for—"A new method of and machinery for curving flanged boiler and other metal plates." <i>Letters Patent sealed.</i>
BUTTRUM. 27th December 1864.	3218. WILLIAM BUTTRUM, of Swilland, in the County of Suffolk, Miller and Farmer, for an invention for—"Improvements in the means of signalling between the passengers and the guard and driver of railway trains." <i>Provisional protection only.</i>
DODGE. 28th December 1864.	3219. JAMES DODGE, of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in apparatus for rolling, shaping and forging 'file-blanks,' 'flyers' and other metallic articles of small dimensions." <i>Letters Patent sealed.</i>
JOHNSON. 28th December 1864.	3220. HENRY JOHNSON, of Birmingham, in the County of Warwick, Tool Maker, for an invention for—"Improvements in the manufacture of top notches and runners for umbrellas and parasols." <i>Letters Patent sealed.</i>
CLEAVER. 28th December 1864.	3221. JOHN CLEAVER, of No. 9, Canterbury Place, Walworth, in the County of Surrey, Gentleman, for an invention for—"Improvements in the manufacture of Portland cement." <i>Letters Patent sealed.</i>

- BRECKON.
DIXON.
28th December 1864. 3222. JOHN ROBERT BRECKON, of Darlington, in the County of Durham, Colliery Manager, and ROBERT DIXON, of Crook, in the said County of Durham, Mechanical Engineer, for an invention for—"Improvements in the construction of coke ovens." *Letters Patent sealed.*
- BLANCHET.
28th December 1864. 3223. ARISTIDE PAUL BLANCHET, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Notary, for an invention for—"Improvements in the application of steam power to the cultivation of land." *Provisional protection only.*
- BARDIES.
28th December 1864. 3224. JOSEPH BARDIES, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Piano Manufacturer, for an invention for—"Certain improvements in the manufacture of pianos." *Provisional protection only.*
- THORNTON.
THORNTON.
28th December 1864. 3225. JOHN THORNTON, and WILLIAM THORNTON, of Pease Hill Rise, Nottingham, for an invention for—"Improvements in machinery for producing looped fabrics." *Letters Patent sealed.*
- HOLMS.
28th December 1864. 3226. WILLIAM HOLMS, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the mode of treating warp yarns used for weaving, and in the machinery or apparatus connected therewith." *Provisional protection only.*
- PREECE.
BEDBOROUGH.
28th December 1864. 3227. WILLIAM HENRY PREECE, Civil Engineer, and ALFRED BEDBOROUGH, Architect, both of the Town and County of Southampton, for an invention for—"Improved apparatus for signalling in railway trains." *Letters Patent sealed.*
- LEESE.
29th December 1864. 3228. ROBERT HENRY LEESE, of the City and State of New York, in the United States of America, but now residing at Bruges, W. Flanders, Belgium, for an invention for—"New machinery for cutting at one operation dovetail and mitre joints."—*A communication to him by John Mesier Nichols, a person resident at New York, in the State of New York, in the United States of America.* *Letters Patent sealed.*
- MORRISON.
29th December 1864. 3229. JAMES DARSIE MORRISON, of No. 8, Wemyss Place, Edinburgh, in the County of Mid-Lothian, North Britain, Dentist, for an invention for—"Improvements in painless dentistry, by apparatus for cooling and tempering air, and applying it as an anaesthetic agent." *Letters Patent sealed.*
- EDWARDS.
29th December 1864. 3230. GEORGE EDWARDS, of No. 4, Park Road Villas, Battersea, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in pneumatic apparatus for raising materials and other purposes." *Letters Patent sealed.*
- SUTHERLAND.
29th December 1864. 3231. DOUGLAS SUTHERLAND, of No. 34, Great George Street, Westminster, for an invention for—"Improvements in preparing charges for and in charging ordnance." *Letters Patent sealed.*
- MILLAR.
29th December 1864. 3232. JAMES MILLAR, of Stirling, in the County of Stirling, North Britain, Engineer, for an invention for—"Improvements in locomotive steam-engines, and in part applicable to other engines." *Letters Patent sealed.*
- MUIR.
McILWHAM.
29th December 1864. 3233. MATTHEW ANDREW MUIR, and JAMES McILWHAM, of Glasgow, in the County of Lanark, North Britain, Machinists, for an invention for—"Improvements in and relating to fastenings for railways." *Letters Patent sealed.*
- TRUSWELL.
TRUSWELL.
29th December 1864. 3234. JOSEPH TRUSWELL, and WILLIAM TRUSWELL, both of Sheffield, in the County of York, Engine Tenters, for an invention for—"An improved float for indicating the level of the water in steam-boilers." *Provisional protection only.*
- SAVILLE.
29th December 1864. 3235. SAMUEL SAVILLE, of Bradford, Manchester, in the County of Lancaster, Book-keeper, for an invention for—"Improvements in separating wool from refuse mixed fabrics and materials." *Provisional protection only.*
- HARDING.
29th December 1864. 3236. THOMAS RICHARDS HARDING, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in apparatus for the manufacture of pins and hackles or gills." *Letters Patent sealed.*
- DODD.
29th December 1864. 3237. JOHN DODD, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in mules for spinning and doubling." *Letters Patent sealed.*
- JOHNSON.
29th December 1864. 3238. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Lebbeus Wisner Lathrop and William McMonnies, both of Philadelphia, Pennsylvania, in the United States of America.* *Letters Patent sealed.*

NALDER. BELCHER. 29th December 1864.	3239. WILLIAM NALDER, and ALFRED BELCHER, of East Challow, in the County of Berks, Engineers, for an invention for—"Improvements in steam-engines and apparatus connected therewith and with steam-boilers, parts of which improvements are applicable to machinery in general." <i>Letters Patent sealed.</i>
CAIL. 29th December 1864.	3240. RICHARD CAIL, of Gateshead, in the County of Durham, Chemical Manufacturer, for an invention for—"Improvements in projectiles." <i>Provisional protection only.</i>
PRÉFONTAINE. 29th December 1864.	3241. PIERRE CHARLES PAUL LAURENT PRÉFONTAINE, of Paris, Rue de Berlin, No. 12, Civil Engineer, for an invention for—"Improvements in warehousing or storing liquids and other goods." <i>Letters Patent sealed.</i>
BAUGH. 29th December 1864.	3242. BENJAMIN BAUGH, of Balsall Heath, in the County of Worcester, Manager of Works, for an invention for—"New or improved machinery to be used in the manufacture of enamelled wares." <i>Letters Patent sealed.</i>
SHUFFLEBOTHAM. 30th December 1864.	3243. ENOCH SHUFFLEBOTHAM, of Acock's Green, in the County of Worcester, Gun Maker, for an invention for—"Improvements in girders for railways and for other purposes."— <i>A communication to him from abroad by John King, of Lemberg, Galicia, Austria, Civil Engineer.</i> <i>Letters Patent sealed.</i>
PERCE. 30th December 1864.	3244. ELBERT PERCE, of the City, County and State of New York, United States of America, for an invention for—"Improvements in geographical globes and illustrative objects to be used therewith." <i>Letters Patent sealed.</i>
MACRAE. BAYLEY. 30th December 1864.	3245. ALEXANDER SEPTIMUS MACRAE, of Liverpool, in the County of Lancaster, Petroleum Oil Broker, and ABRAHAM BAYLEY, of Liverpool aforesaid, Merchant, for an invention for—"Improvements in the burners of hydro-carbon fluid lamps." <i>Provisional protection only.</i>
ROBB. 30th December 1864.	3246. ARTHUR CANT ROBB, of Frederick Street, Cornwall Road, Brixton, in the County of Surrey, Engineer, for an invention for—"Improvements in machinery or apparatus for brushing hair." <i>Provisional protection only.</i>
COUPRANT. 30th December 1864.	3247. EDMOND COUPRANT, of Rue de l'Orillon, No. 28, in the City of Paris, in the Empire of France, Engineer and Manufacturer, for an invention for—"A new rotative motive-power." <i>Provisional protection only.</i>
BONNEVILLE. 30th December 1864.	3248. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for manufacturing shoes for horses and other animals."— <i>A communication from Hector Edouard Bastien, a person resident at La Villette, Paris aforesaid.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 30th December 1864.	3249. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of presses for pressing hay, cotton, fruit and other highly compressible substances."— <i>A communication from Alexander Mirecki, a person residing Quartier de la Monnaie, Paris aforesaid.</i> <i>Provisional protection only.</i>
BOUCH. 30th December 1864.	3250. THOMAS BOUCH, of Edinburgh, in the County of Mid-Lothian, North Britain, Civil Engineer, for an invention for—"Improvements in the construction of roofs for sheds, railway stations and similar structures." <i>Letters Patent sealed.</i>
BROWN. 30th December 1864.	3251. WILLIAM HENRY BROWN, of Park Wood Springs, Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of cast steel and other metallic tubes." <i>Letters Patent sealed.</i>
MAX. 30th December 1864.	3252. LOUIS PHILIPPE EDOUARD MAX, of Paris, in the Empire of France, and of 8, Upper Stamford Street, in the County of Surrey, Merchant, for an invention for—"Improvements in treating oils and hydro-carbons, and in apparatus for the same and other operations in which matters have to be purified, clarified and refrigerated or condensed."— <i>A communication to him from abroad by Etienne Laporte, of 92, Boulevard de Sebastopol, Paris, France.</i> <i>Letters Patent sealed.</i>
LADLEY. 31st December 1864.	3253. JOSEPH LADLEY, of Leeds, in the County of York, Cloth Manufacturer for an invention for—"Improvements in carding engines." <i>Letters Patent sealed.</i>

NEWTON. 31st December 1864.	3254. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for making horseshoes."—<i>A communication to him from abroad by Vittore Verzoli, of Milan, in the Kingdom of Italy.</i> <i>Letters Patent sealed.</i>
ROGER. 31st December 1864.	3255. PAUL ANDRÉ ROGER, of Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in smoke-consuming furnaces." <i>Letters Patent sealed.</i>
RICHARDSON. 31st December 1864.	3256. THOMAS RICHARDSON, of the Town and County of Newcastle-upon-Tyne, Chemist, for an invention for—"Improvements in the manufacture of manures." <i>Letters Patent sealed.</i>
ENDRES. 31st December 1864.	3257. FRANÇOIS JOSEPH ENDRES, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Composer of Music, for an invention for—"A new musical apparatus printing on paper the music while being executed on pianos, organs or other key instruments." <i>Provisional protection NOT granted.</i>
QUIN. 31st December 1864.	3258. RICHARD QUIN, of No. 65, Poland Street, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cases for jewellery, for optical and other instruments, and for miniatures and other articles." <i>Letters Patent sealed.</i>
DU BOULAY. 31st December 1864.	3259. THOMAS DU BOULAY, of Sandgate, in the County of Kent, Esquire, for an invention for—"Improvements in carriages propelled by manual power." <i>Letters Patent sealed.</i>
SIEMENS. 31st December 1864.	3260. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus for obtaining and applying motive-power."—<i>The result partly of a communication made to him from abroad by Werner Siemens, residing at Berlin, in the Kingdom of Prussia, and partly of an invention and discovery made by himself.</i> <i>Provisional protection only.</i>

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